p201101b2_r237346_001.root
p201101b2_r237346_002.root

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Page 4: Tracks Hits (All)
Page 5: Tracks (Tight)
Page 6: Tracks Hits (Tight)
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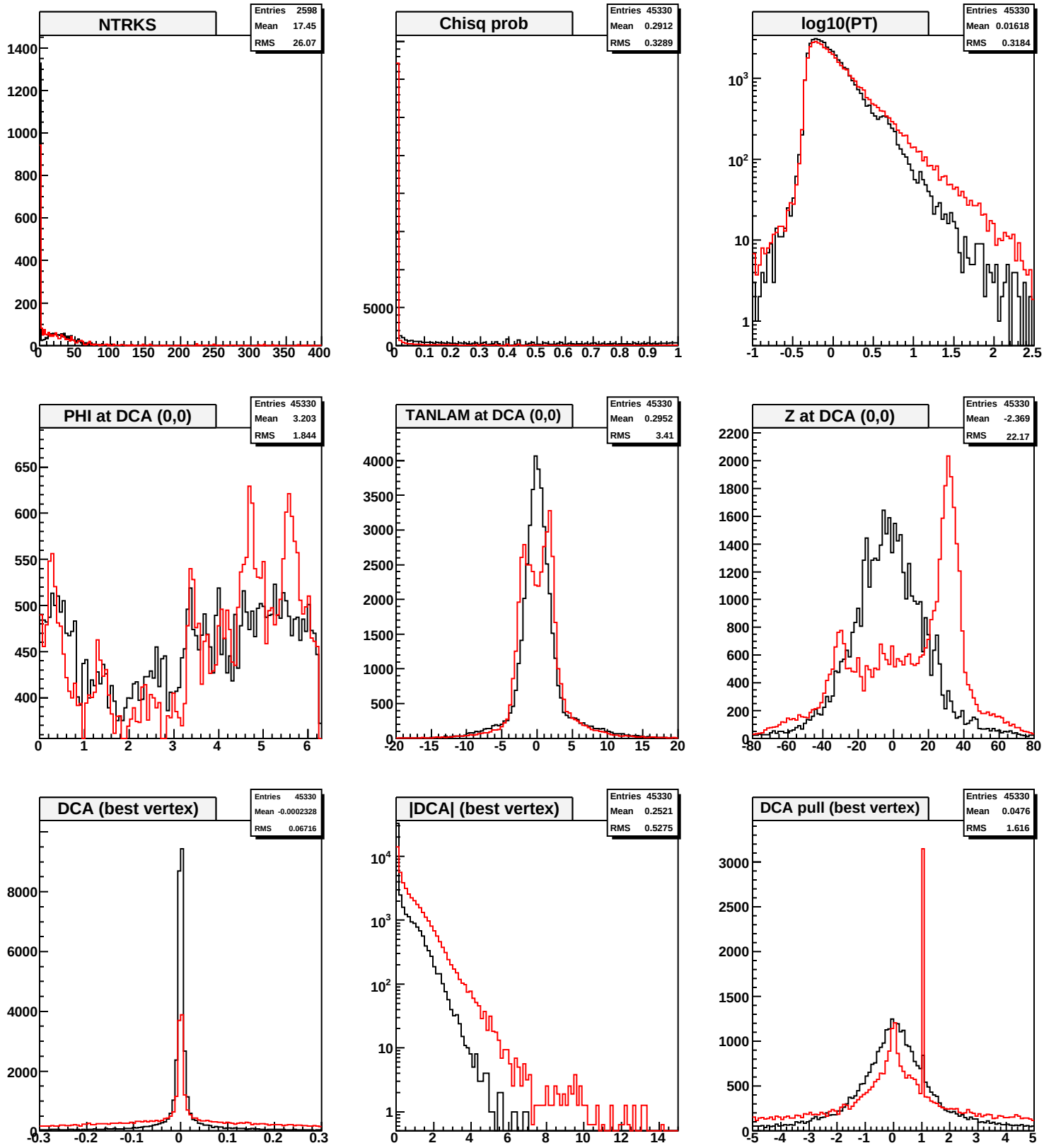
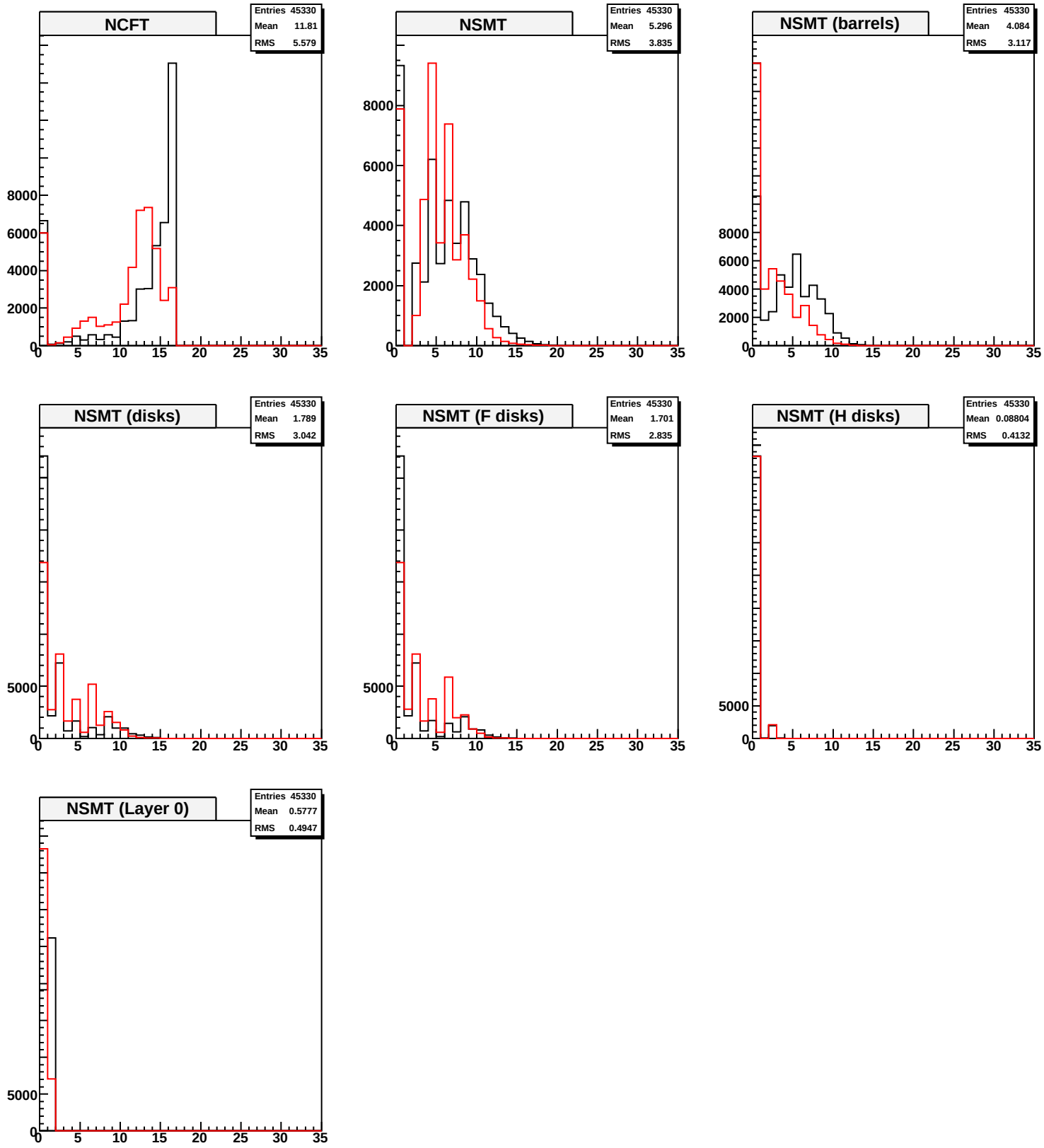
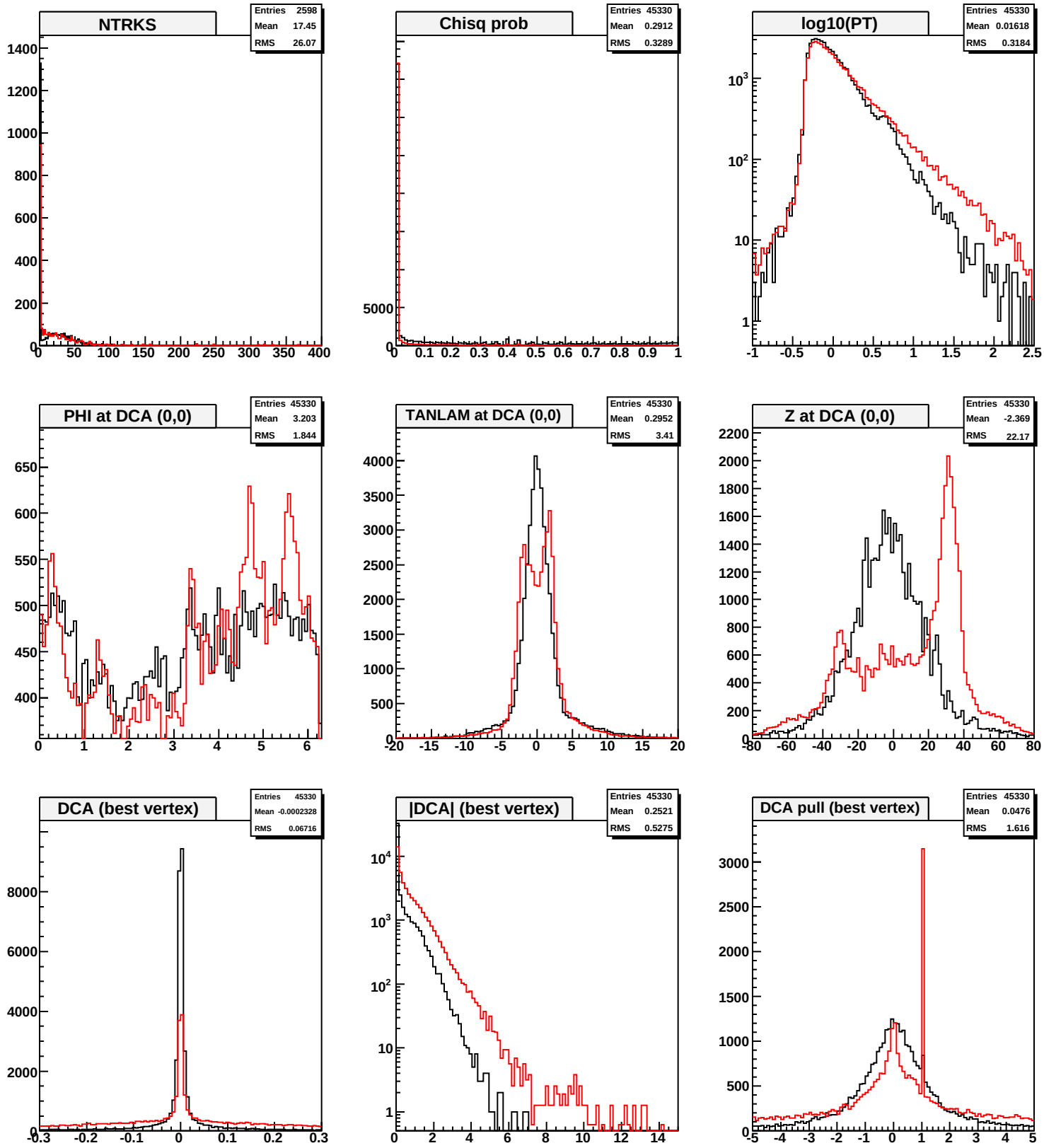
RecoCert_Plots (Index 2)


NTRKS
Entries 2598
Mean 17.45
RMS 26.07
Chisq prob
Entries 45330
Mean 0.2912
RMS 0.3289
log10(PT)
Entries 45330
Mean 0.01618
RMS 0.3184
PHI at DCA (0,0)
Entries 45330
Mean 3.203
RMS 1.844
TANLAM at DCA (0,0)
Entries 45330
Mean 0.2952
RMS 3.41
Z at DCA (0,0)
Entries 45330
Mean -2.369
RMS 22.17
DCA (best vertex)
Entries 45330
Mean -0.0002328
RMS 0.06716
|DCA| (best vertex)
Entries 45330
Mean 0.2521
RMS 0.5275
DCA pull (best vertex)
Entries 45330
Mean 0.0476
RMS 1.616

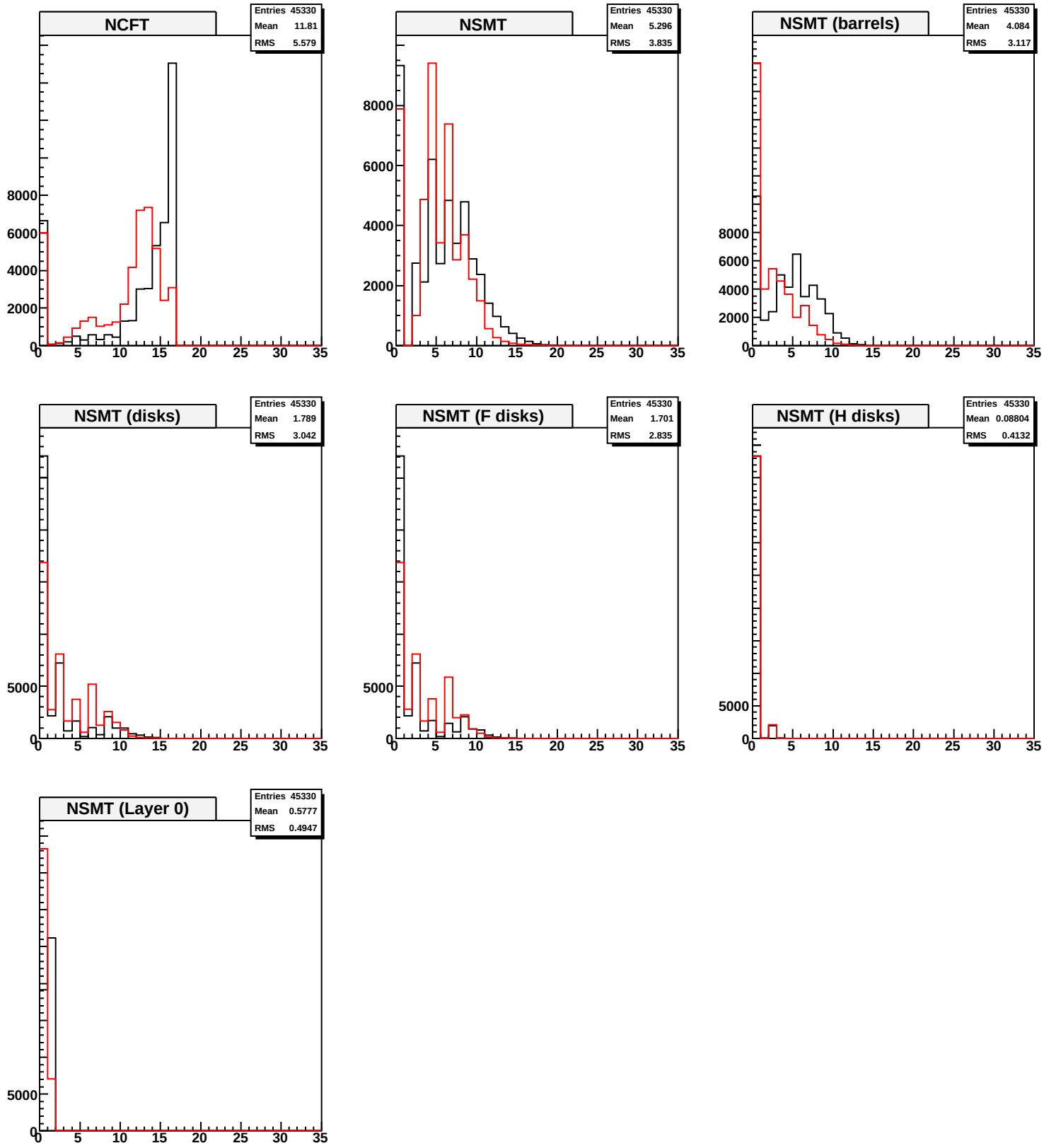
Tracks (All)



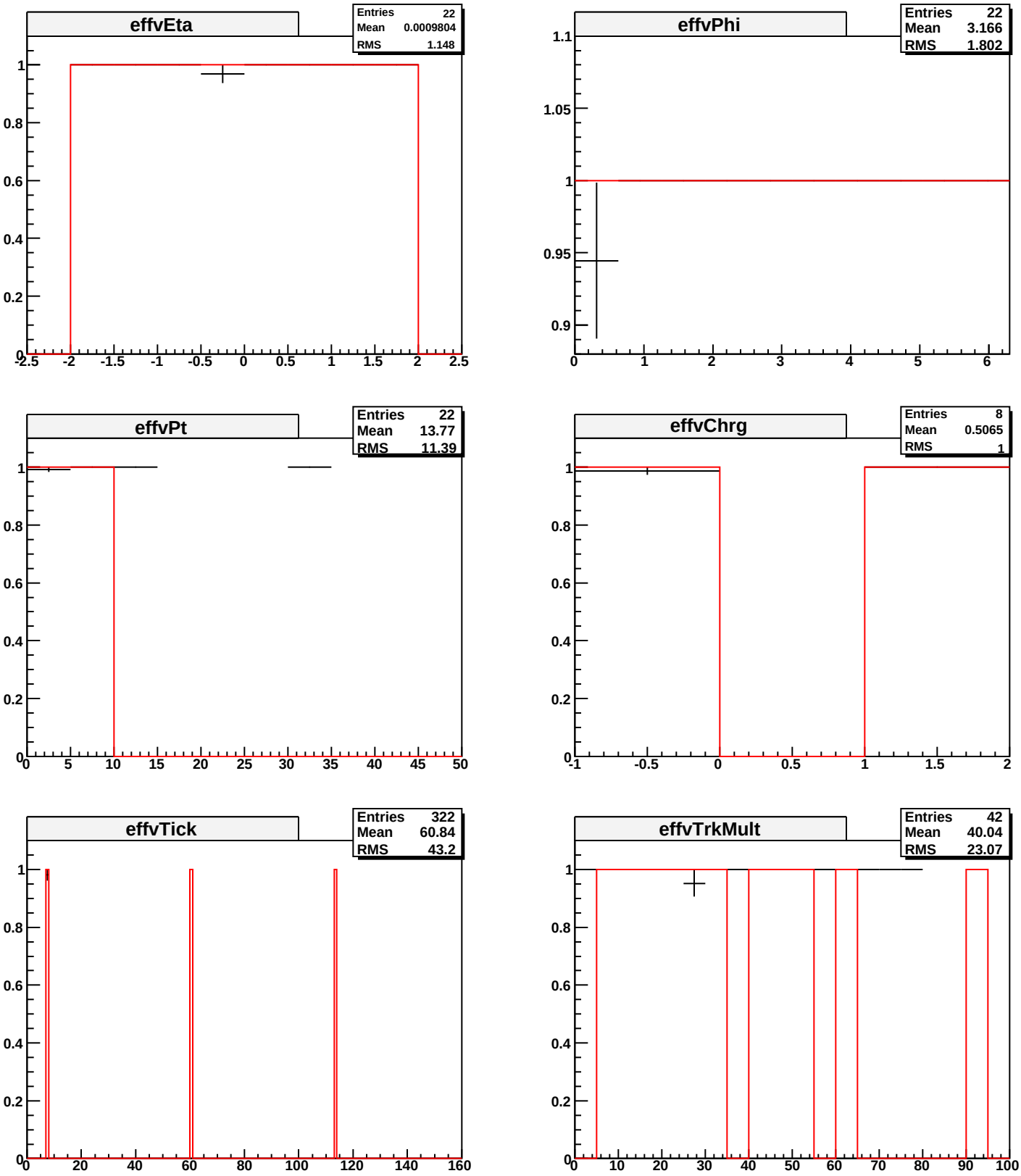
Track Hits (All)



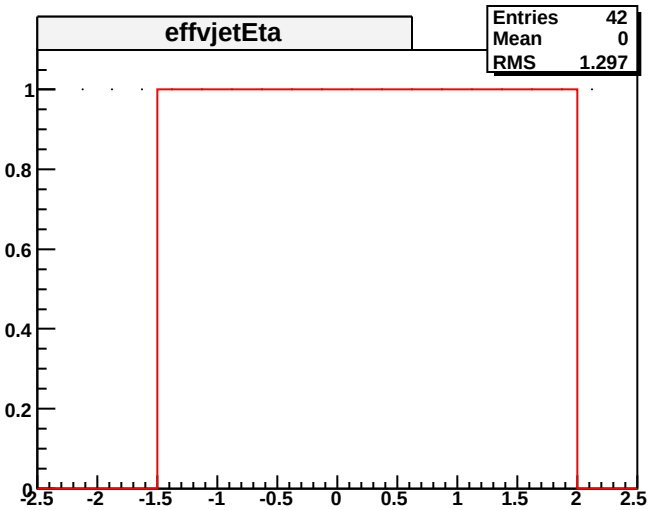
Tracks (Tight)

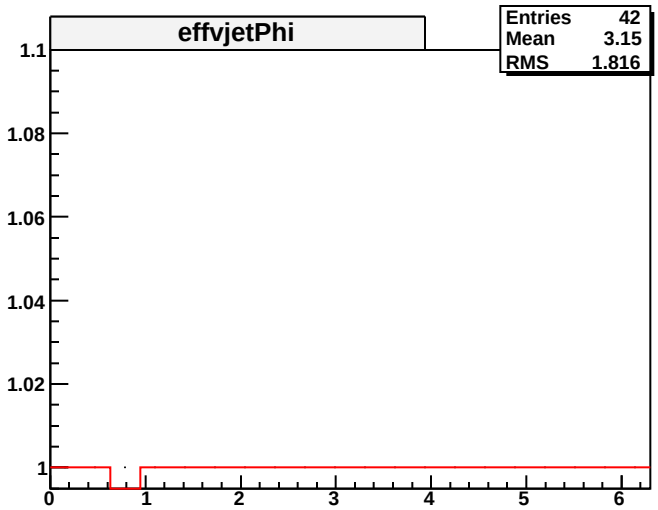


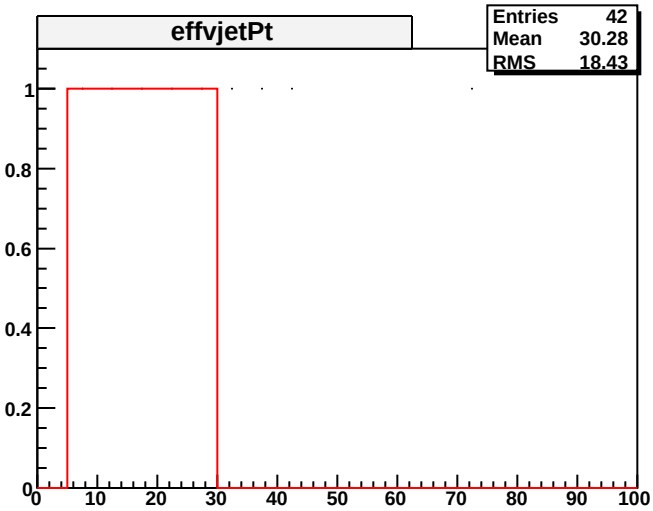
Track Hits (Tight)



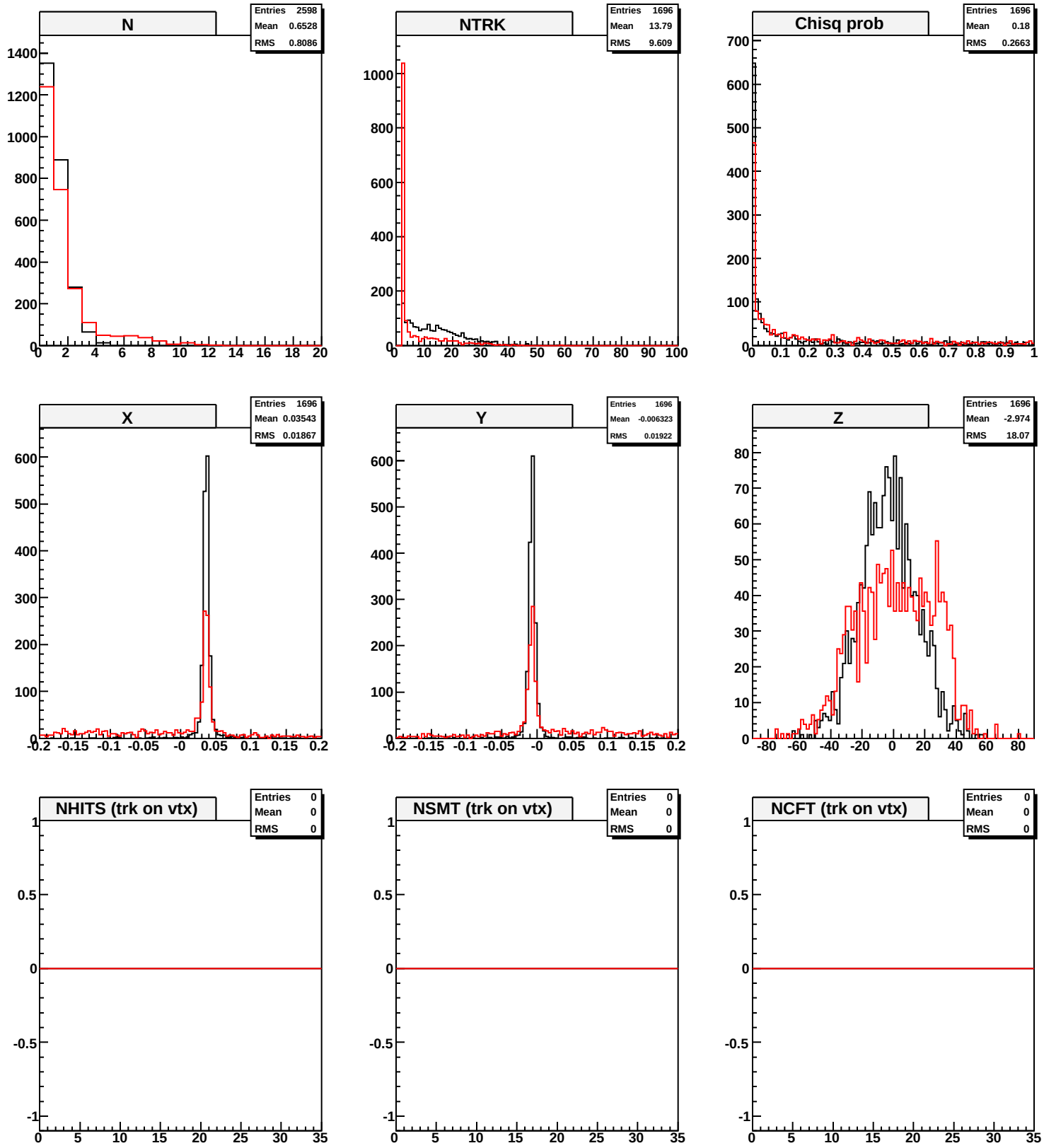
Tracking (Efficiency-Isolated)



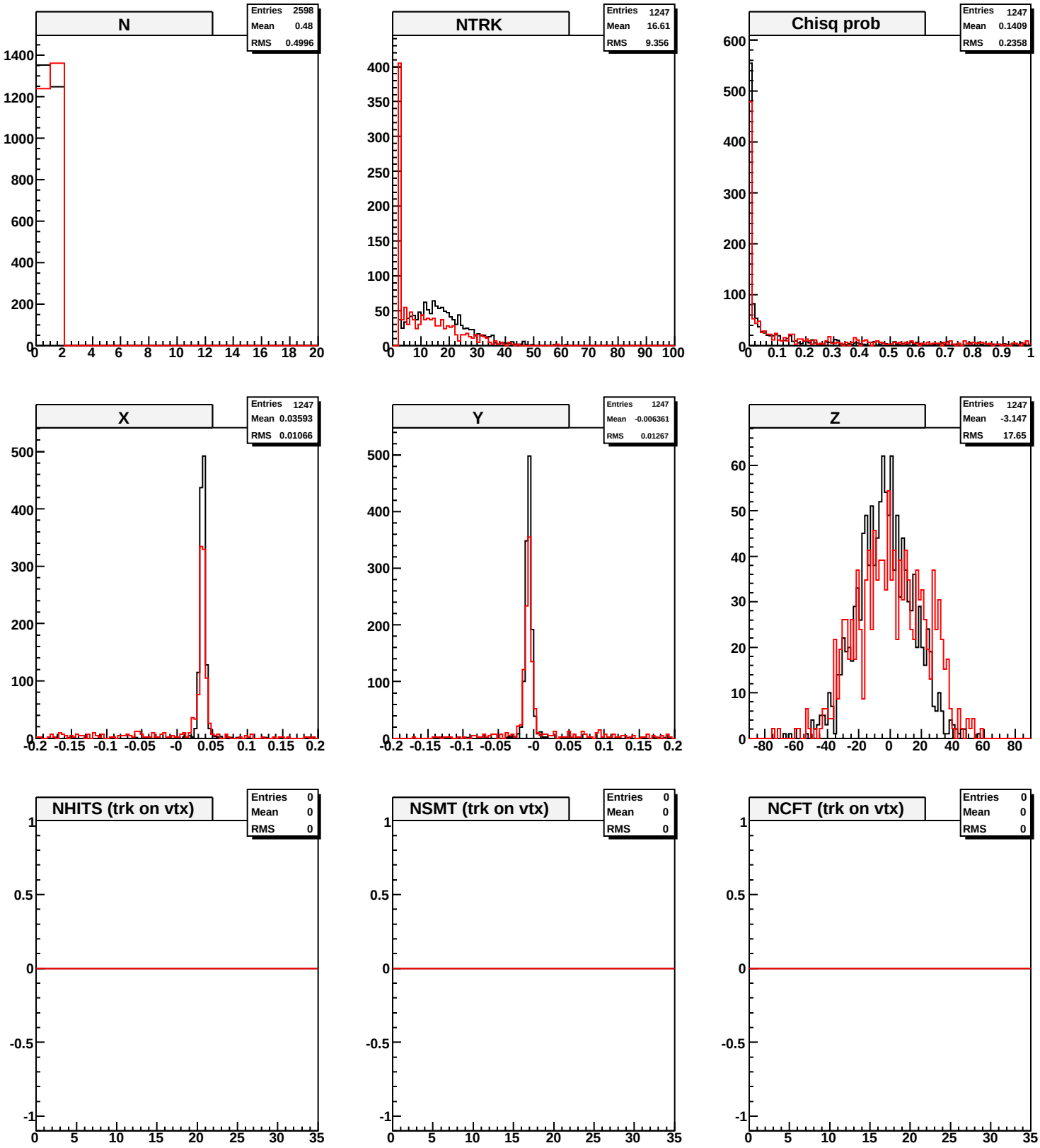




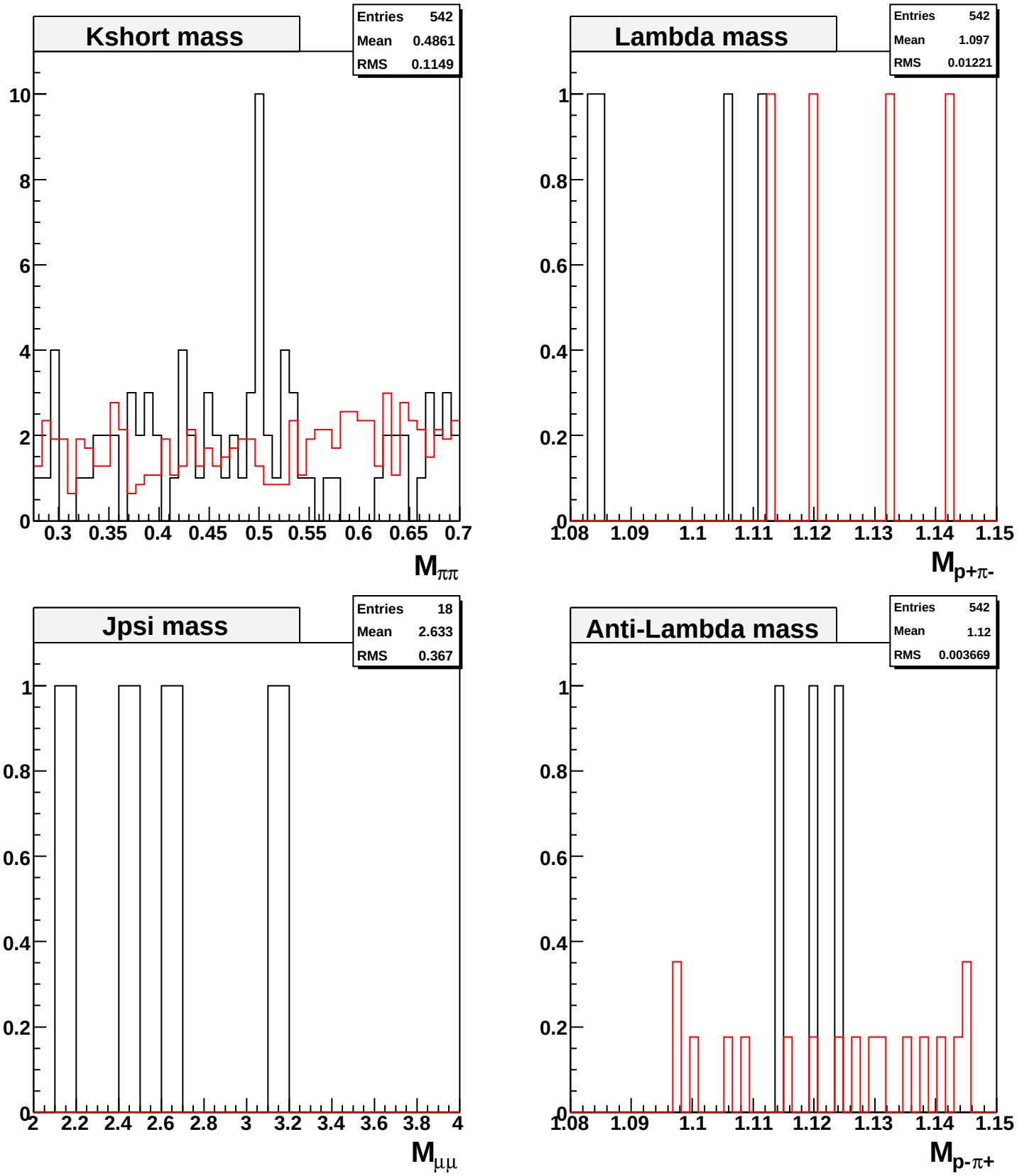
Tracking (Efficiency-InJets)



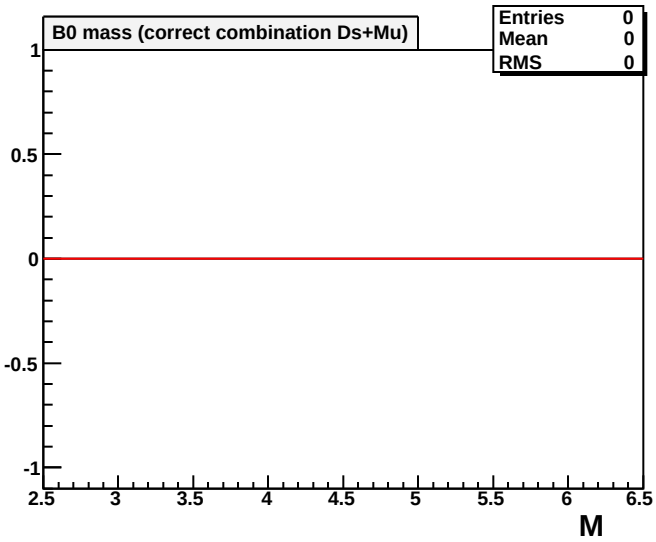
Vertices (Primary - all candidates)

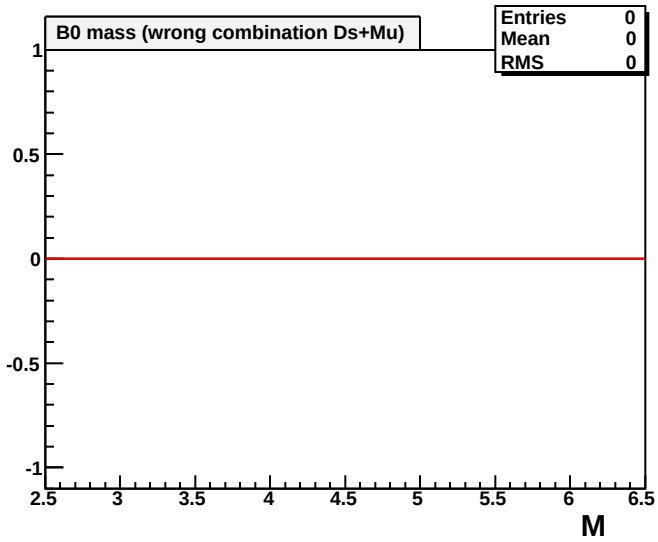


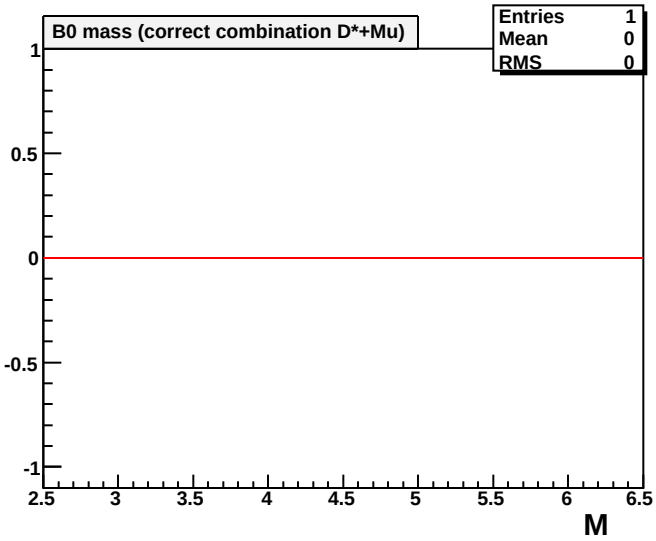
Vertices (Primary - best)

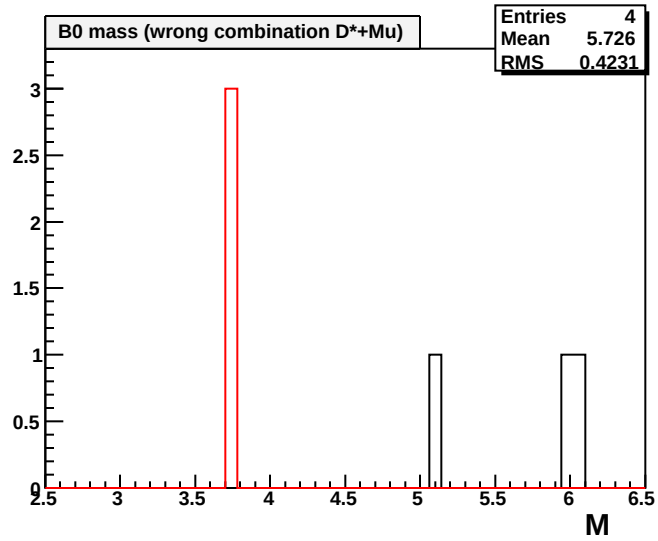

Kshort mass
Entries 542
Mean 0.4861
RMS 0.1149
$M_{\pi\pi}$
Lambda mass
Entries 542
Mean 1.097
RMS 0.01221
$M_{p+\pi-}$
Jpsi mass
Entries 18
Mean 2.633
RMS 0.367
$M_{\mu\mu}$
Anti-Lambda mass
Entries 542
Mean 1.12
RMS 0.003669
$M_{p-\pi+}$

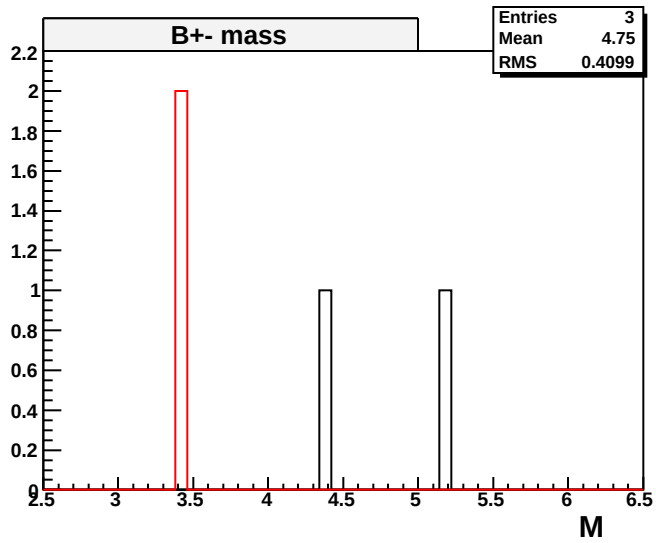
V0 (All)



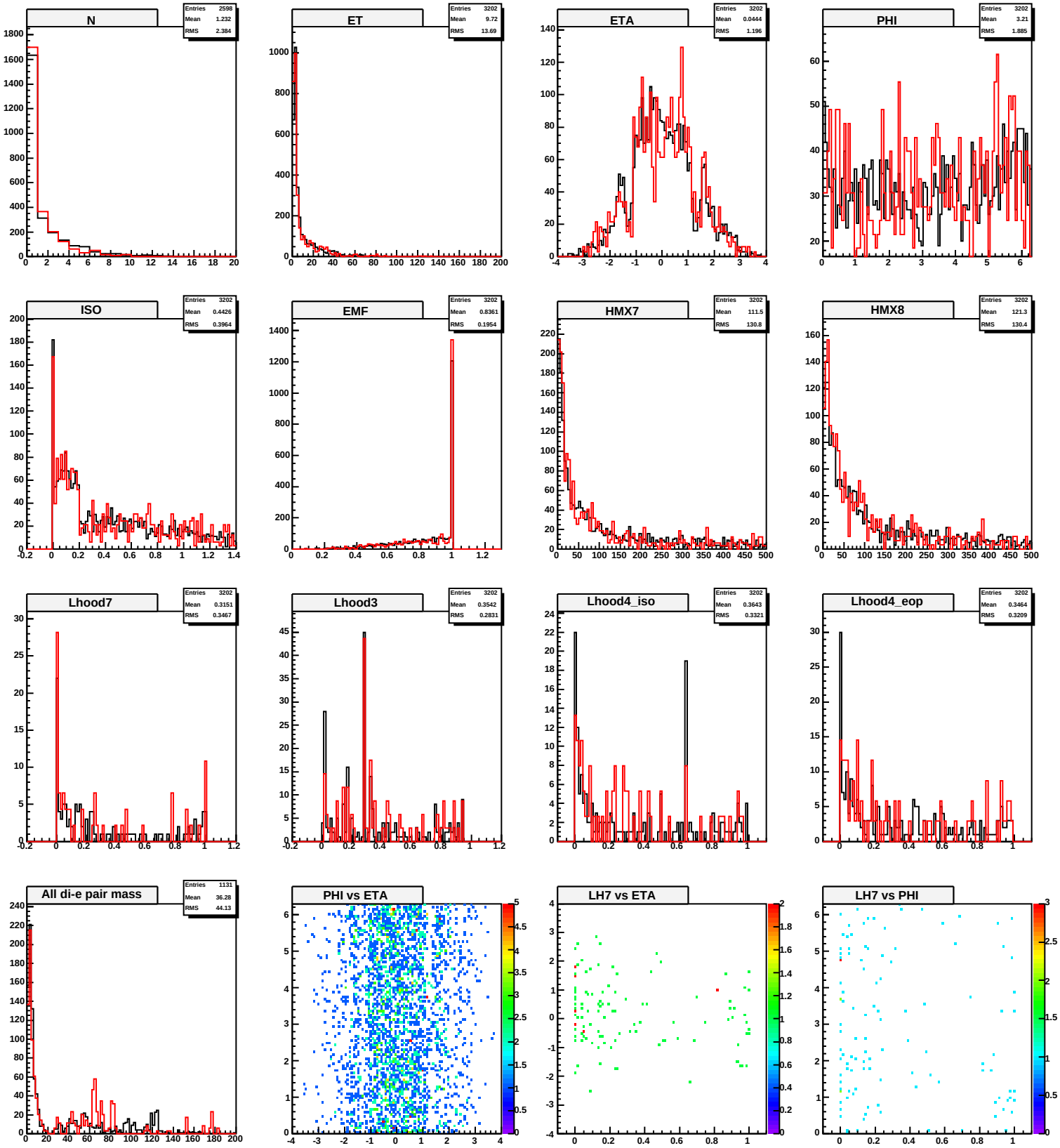




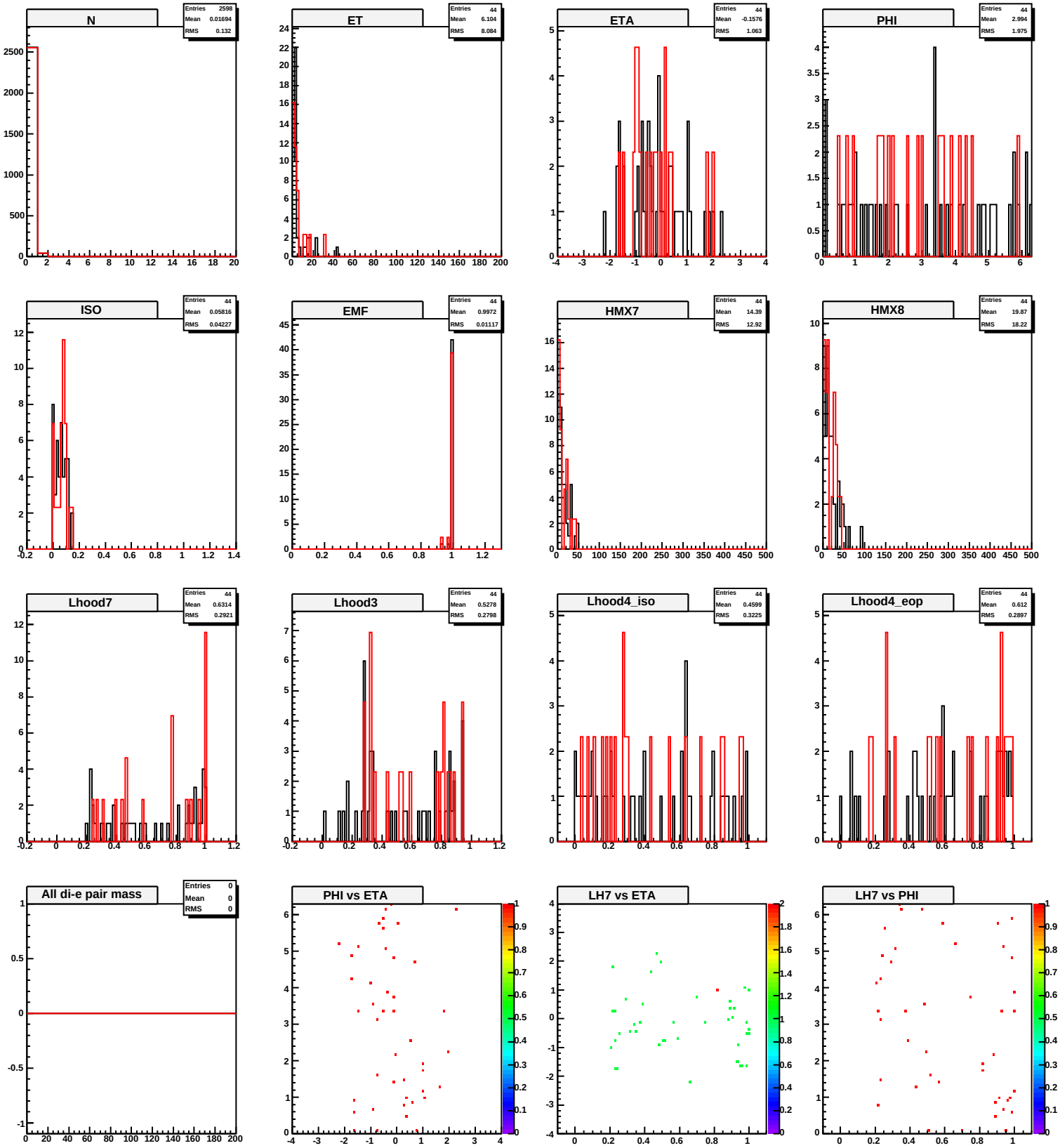




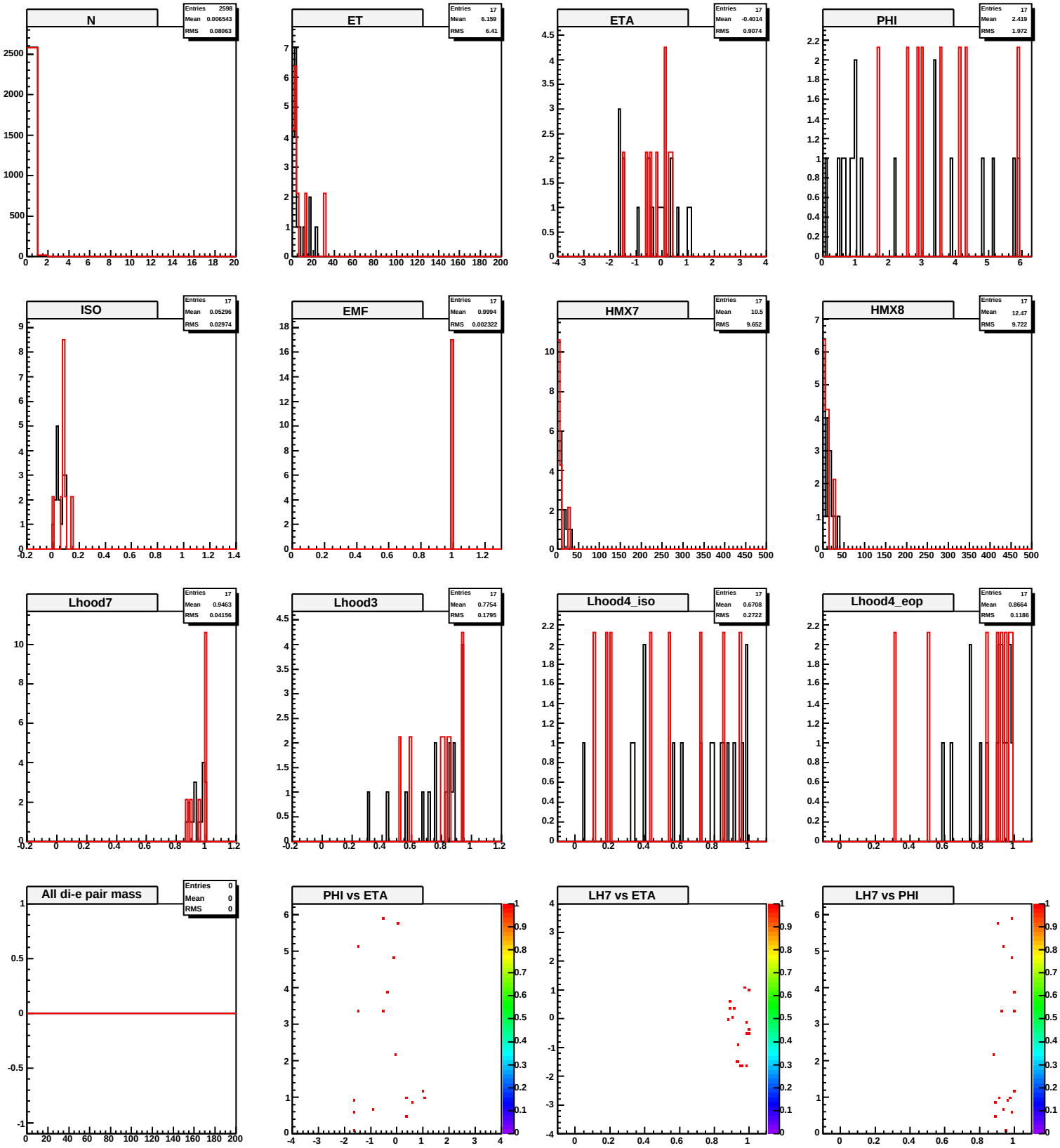
V0(B mesons) (All)



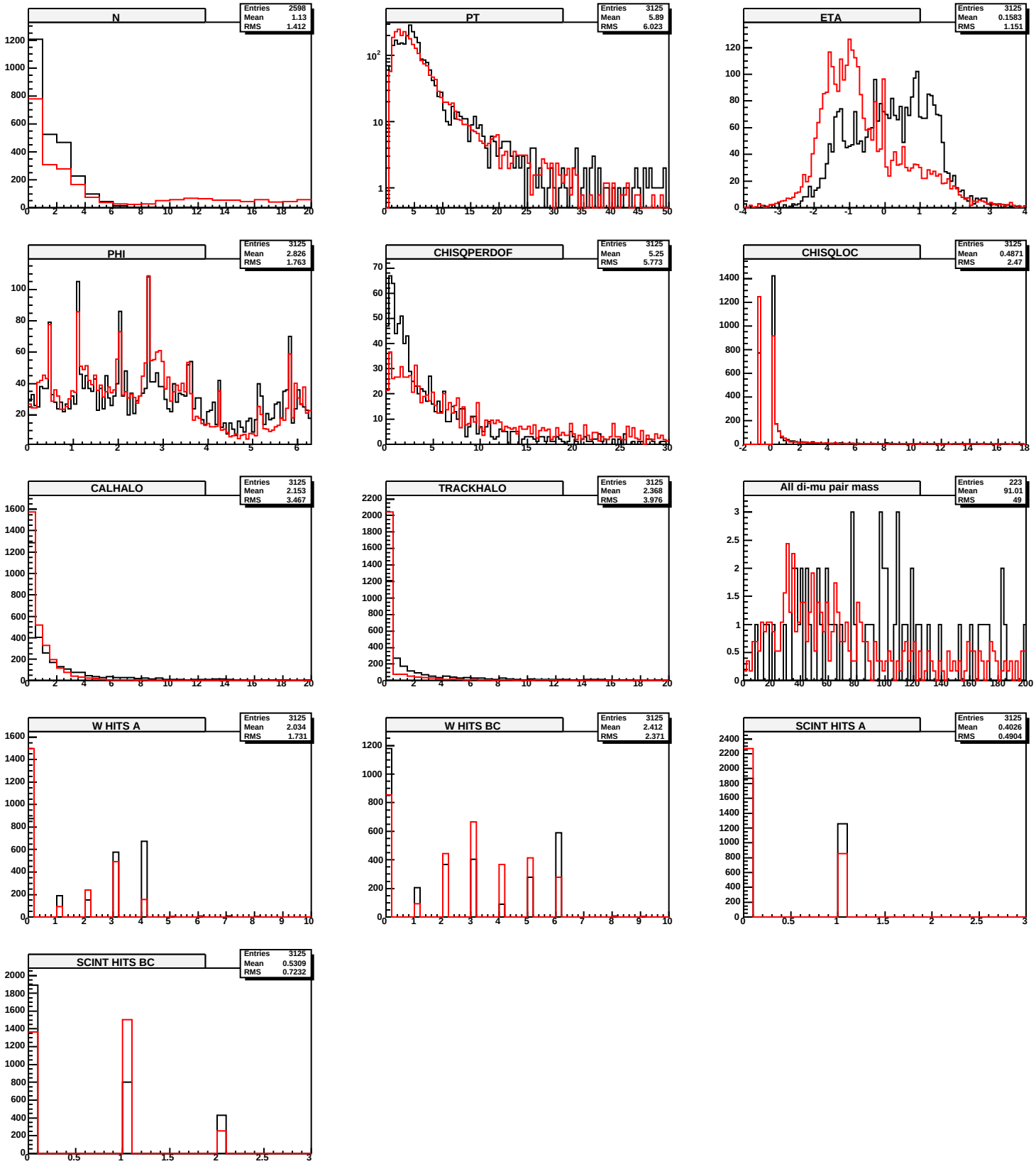
Electrons (SCONE All)



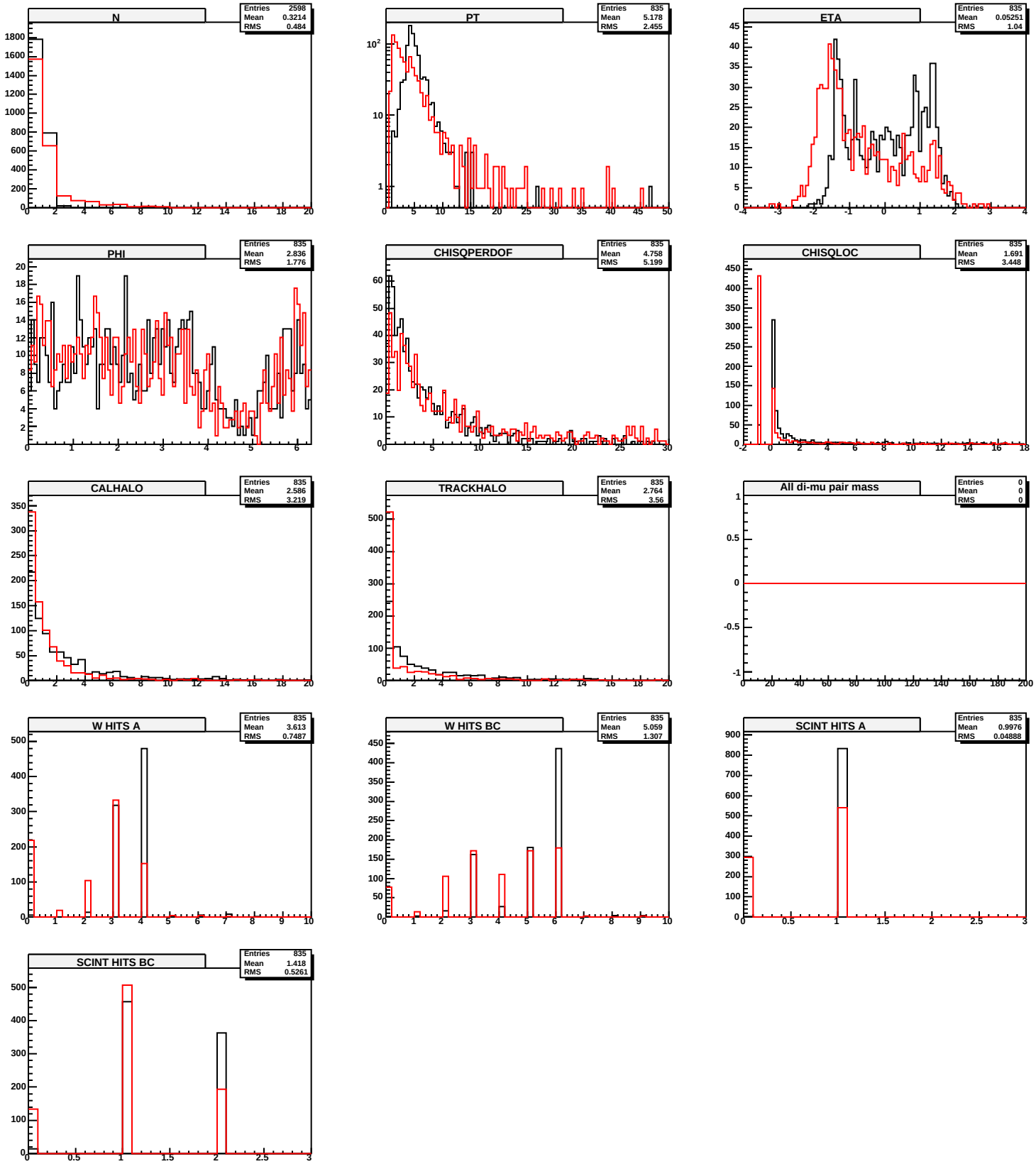
Electrons (SCONE Loose)



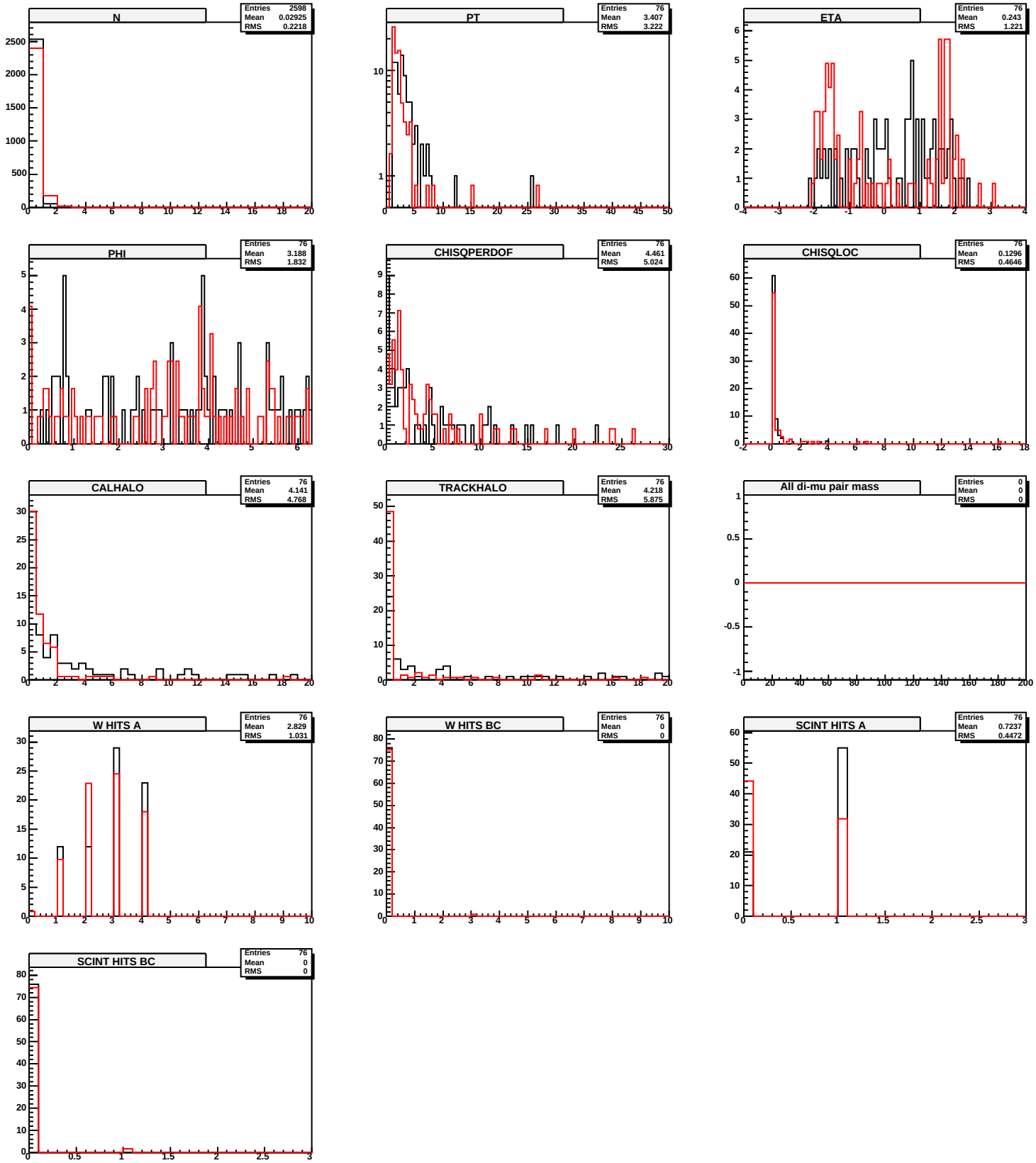
Electrons (SCONE Tight)


N
Entries 2598
Mean 1.13
RMS 1.412
PT
Entries 3125
Mean 5.89
RMS 6.023
ETA
Entries 3125
Mean 0.1583
RMS 1.151
PHI
Entries 3125
Mean 2.826
RMS 1.763
CHISQPERDOF
Entries 3125
Mean 5.25
RMS 5.773
CHISQLOC
Entries 3125
Mean 0.4871
RMS 2.47
CALHALO
Entries 3125
Mean 2.153
RMS 3.467
TRACKHALO
Entries 3125
Mean 2.368
RMS 3.976
All di-mu pair mass
Entries 223
Mean 91.01
RMS 49
W HITS A
Entries 3125
Mean 2.034
RMS 1.731
W HITS BC
Entries 3125
Mean 2.412
RMS 2.371
SCINT HITS A
Entries 3125
Mean 0.4026
RMS 0.4904
SCINT HITS BC
Entries 3125
Mean 0.5309
RMS 0.7232

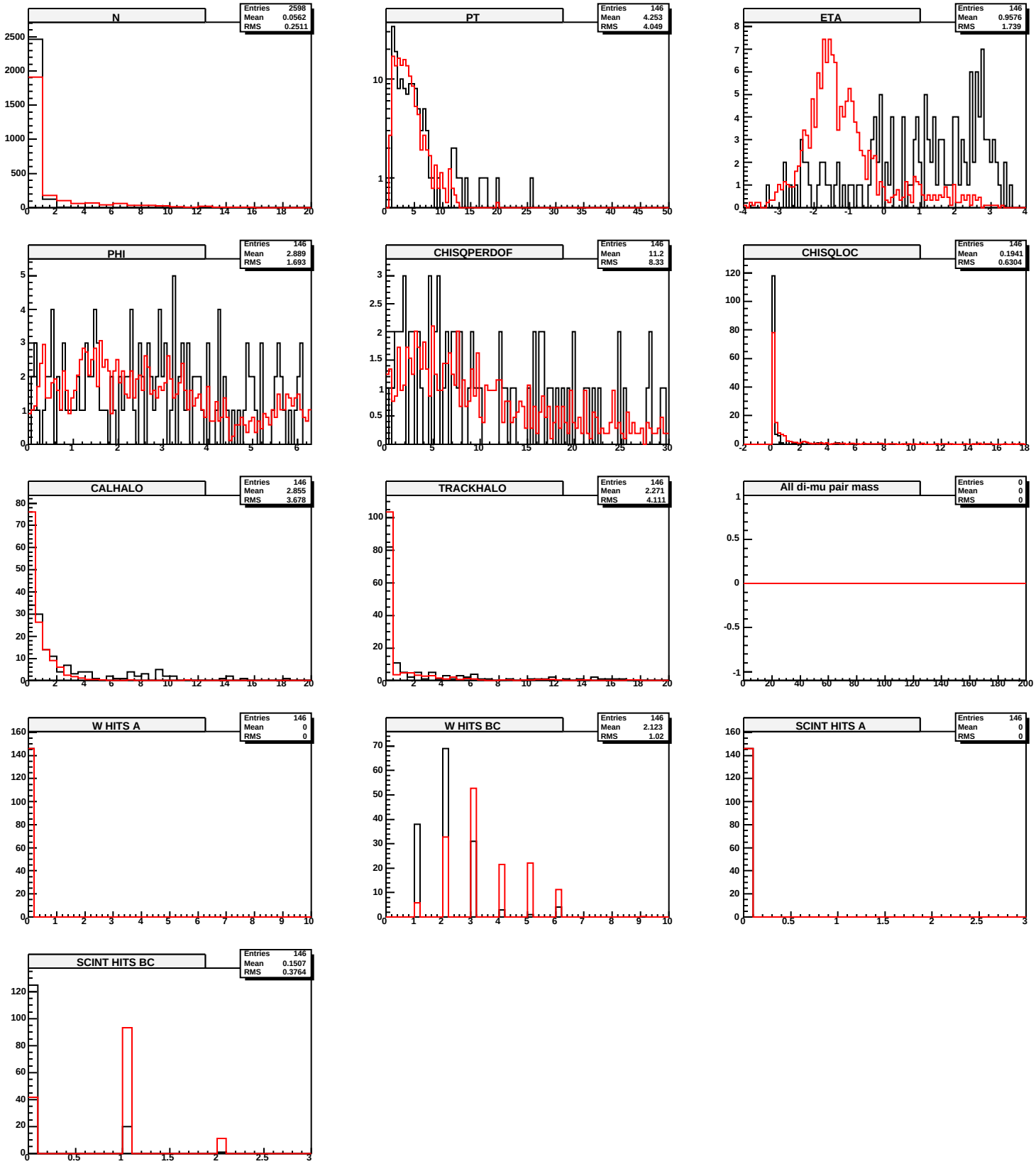
Muons (All)



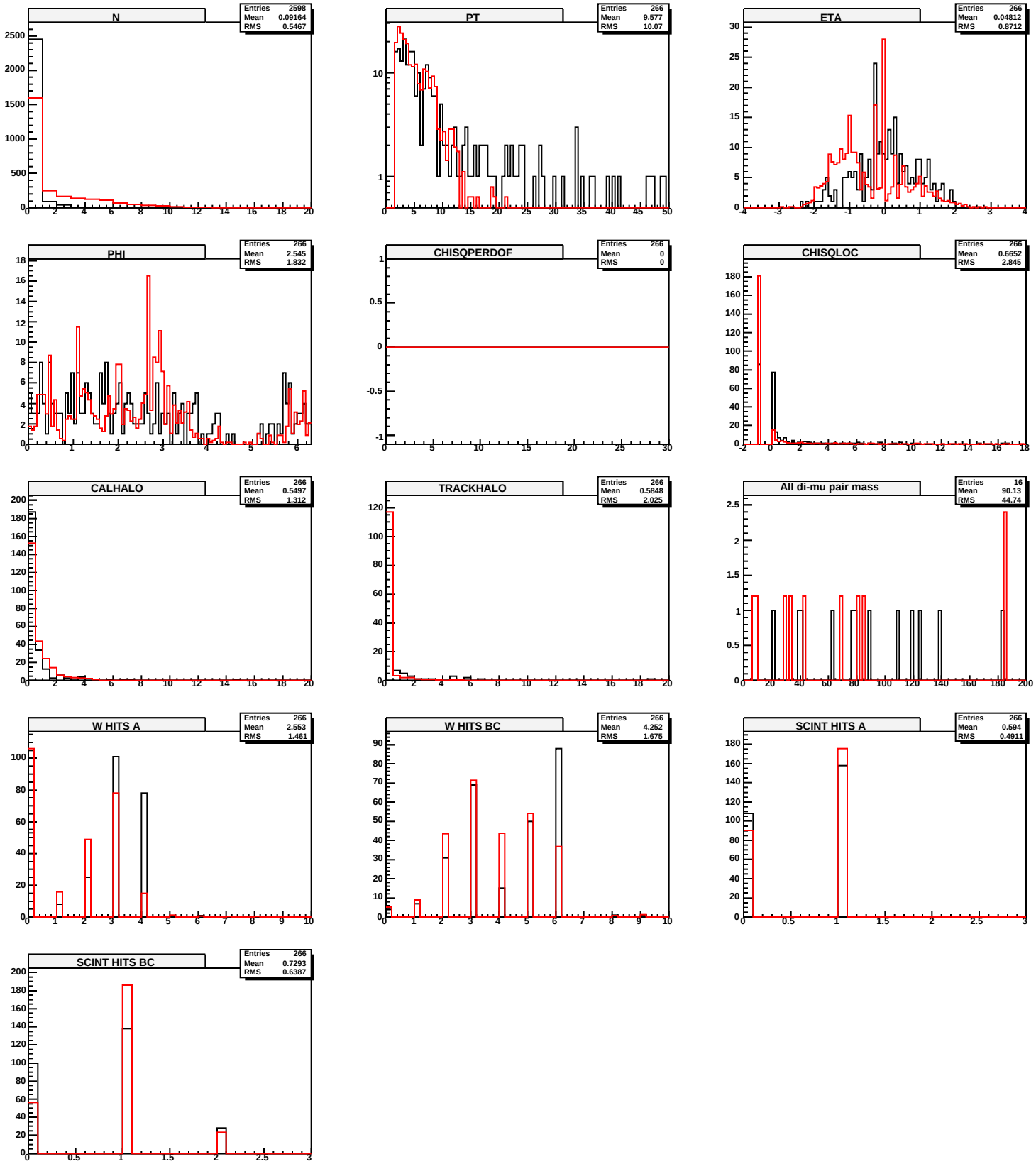
Muons (Matched)


N
Entries 2598
Mean 0.02925
RMS 0.2218
PT
Entries 76
Mean 3.407
RMS 3.222
ETA
Entries 76
Mean 0.243
RMS 1.221
PHI
Entries 76
Mean 3.188
RMS 1.832
CHISQPERDOF
Entries 76
Mean 4.461
RMS 5.024
CHISQLOC
Entries 76
Mean 0.1296
RMS 0.4646
CALHALO
Entries 76
Mean 4.141
RMS 4.768
TRACKHALO
Entries 76
Mean 4.218
RMS 5.875
All di-mu pair mass
Entries 0
Mean 0
RMS 0
W HITS A
Entries 76
Mean 2.829
RMS 1.031
W HITS BC
Entries 76
Mean 0
RMS 0
SCINT HITS A
Entries 76
Mean 0.7237
RMS 0.4472
SCINT HITS BC
Entries 76
Mean 0
RMS 0

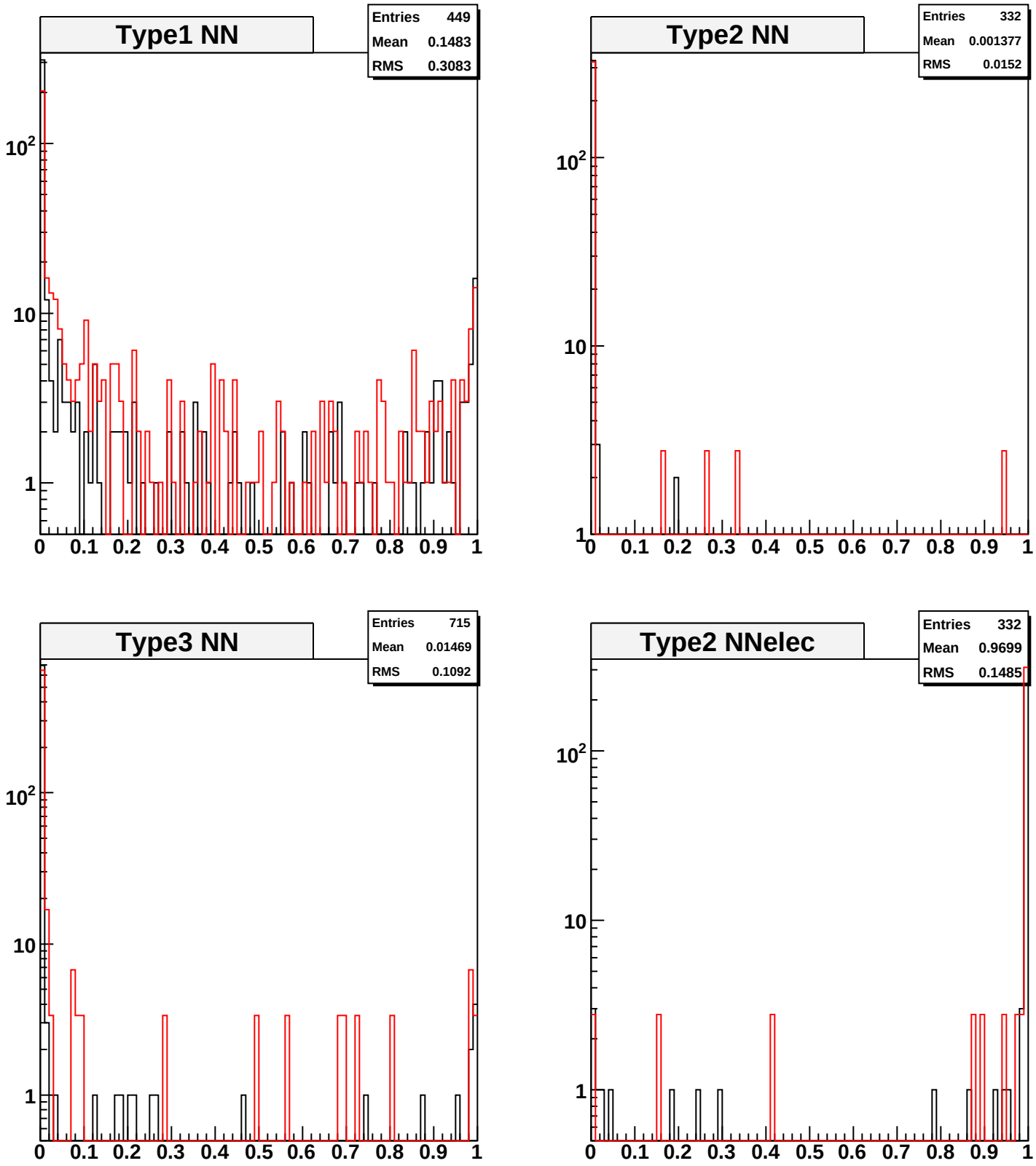
Muons (Astub)



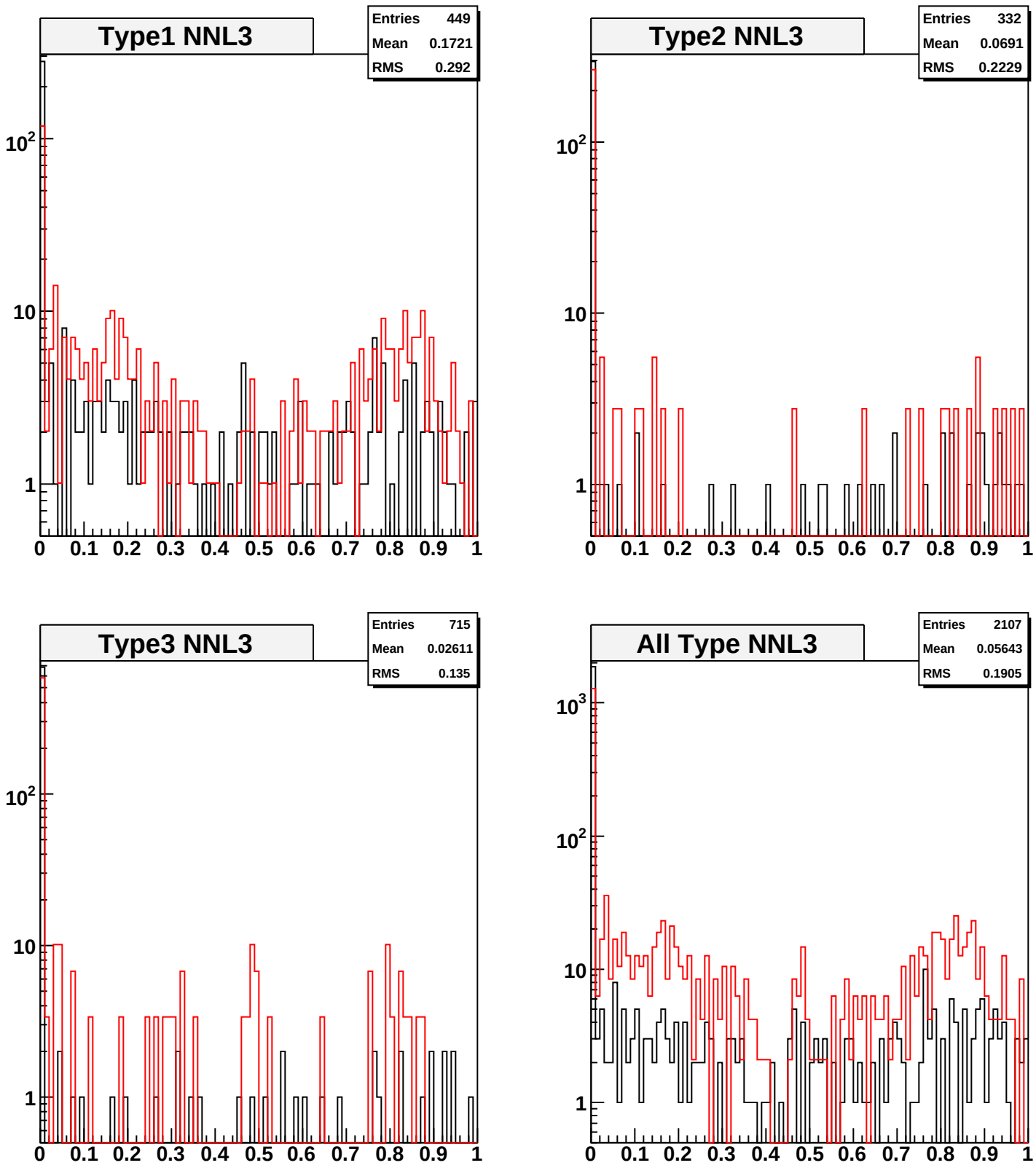
Muons (BCstub)



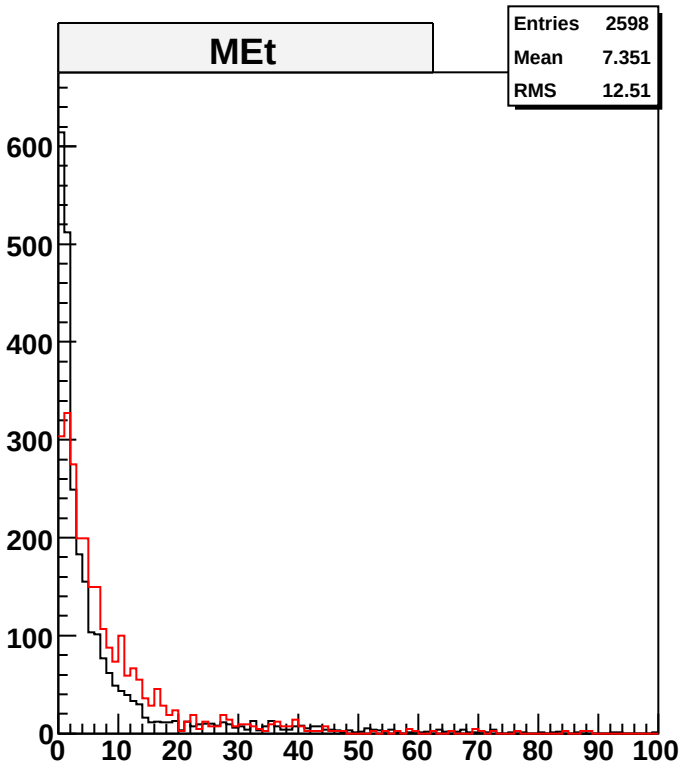
Muons (Unmatched)

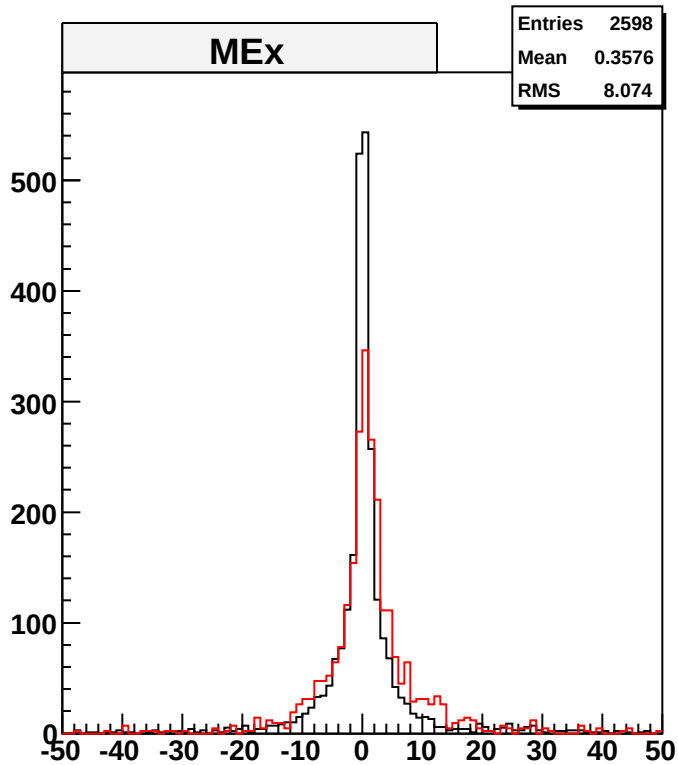


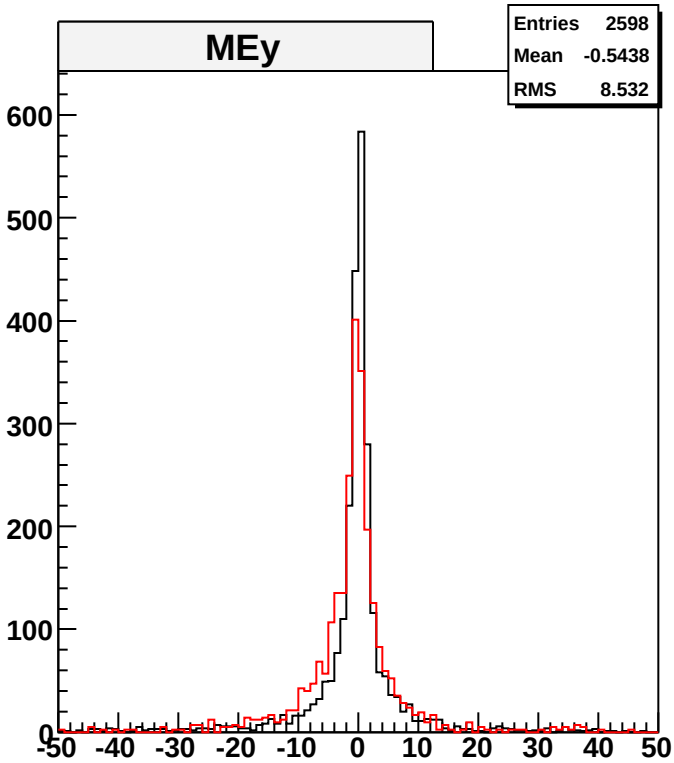
Taus NN (TAU All)



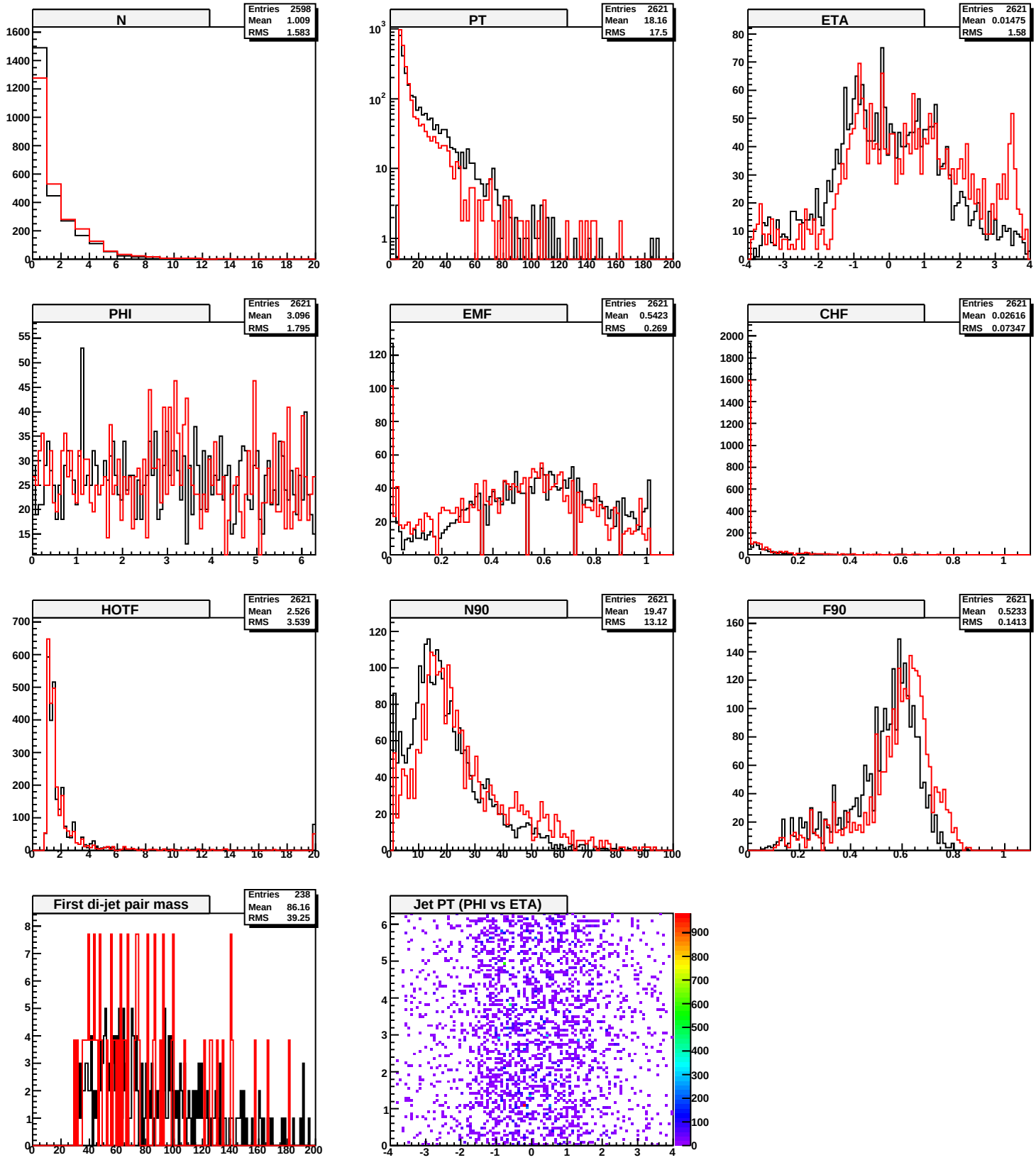
Taus NNL3 (TAU All)


MEt
Entries 2598
Mean 7.351
RMS 12.51
0
100
200
300
400
500
600
0 10 20 30 40 50 60 70 80 90 100

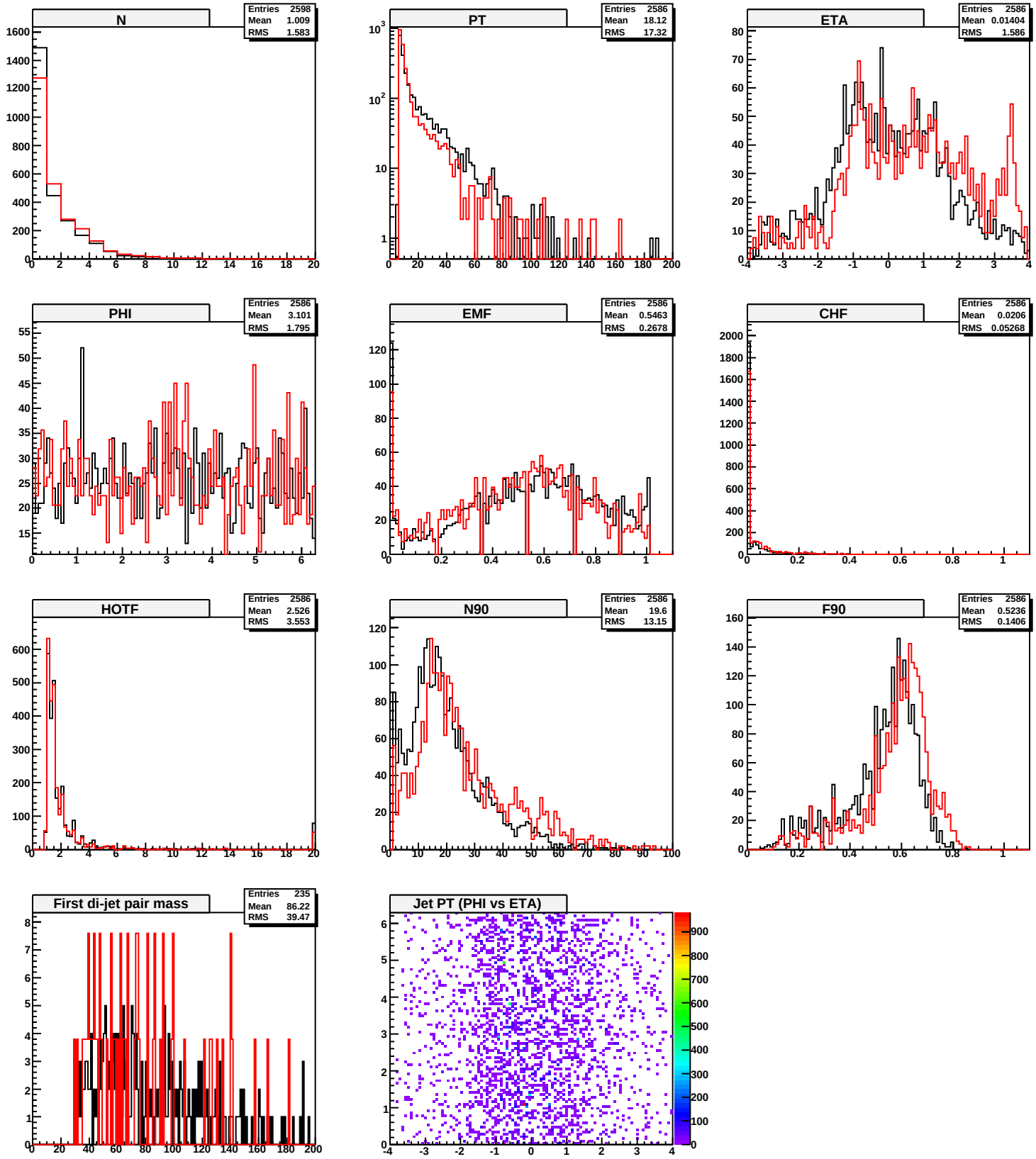

MEx
Entries 2598
Mean 0.3576
RMS 8.074
0
100
200
300
400
500
-50 -40 -30 -20 -10 0 10 20 30 40 50


MEy
Entries 2598
Mean -0.5438
RMS 8.532
0
100
200
300
400
500
600
-50 -40 -30 -20 -10 0 10 20 30 40 50

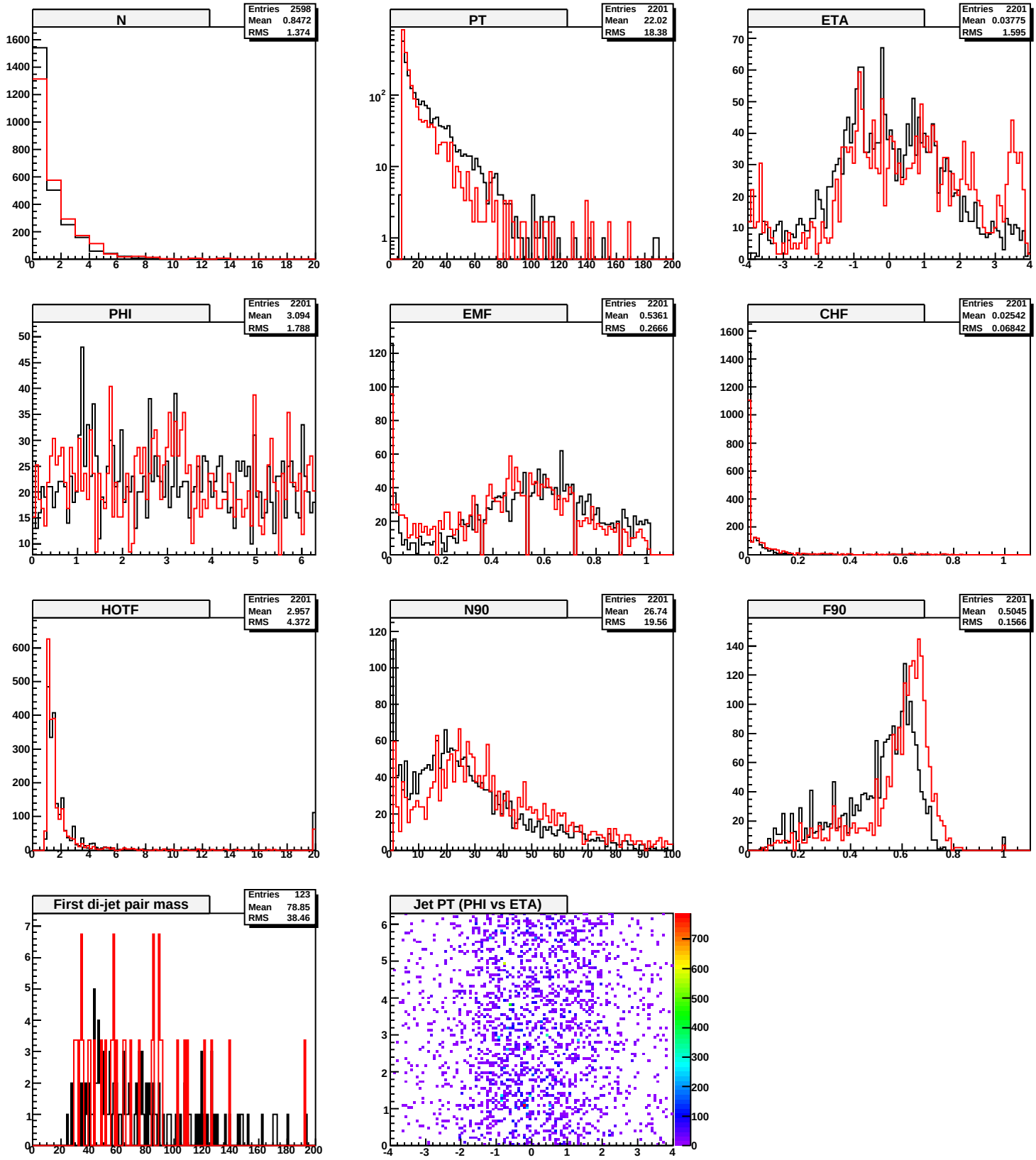
Met (No cuts)



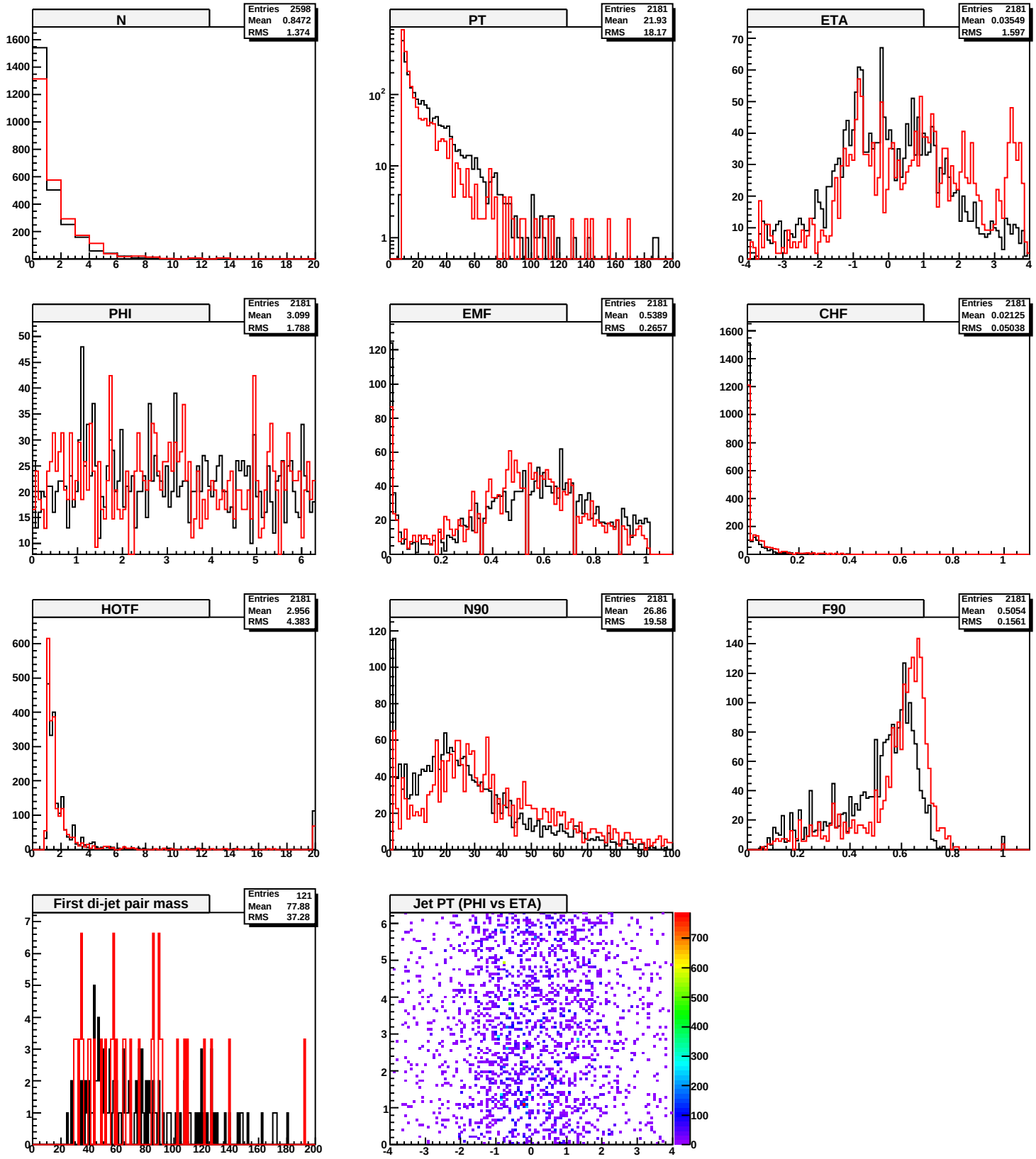
Jets (Cone R 0.7 (no cuts))



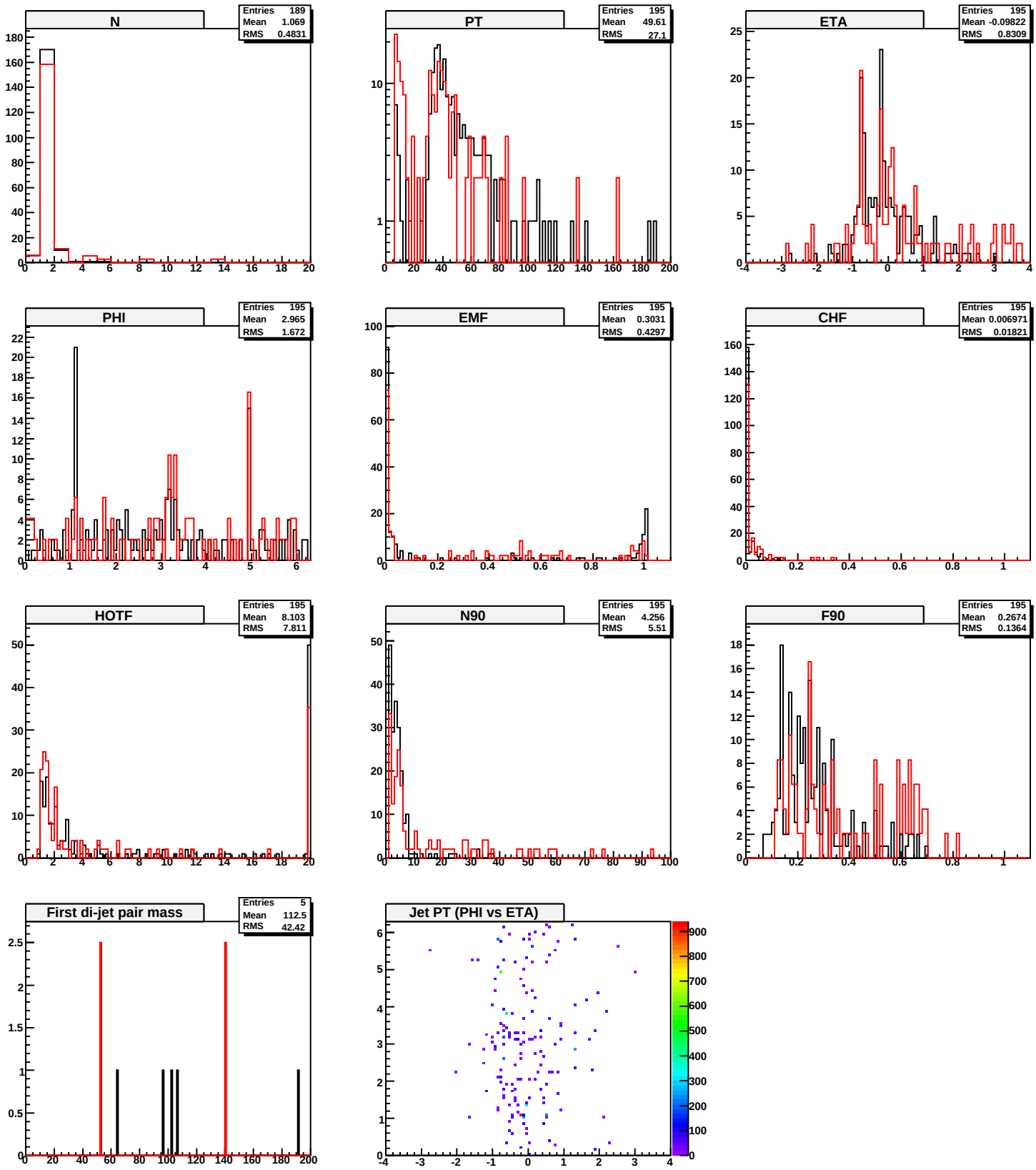
Jets (Cone R 0.7 (standard cuts))



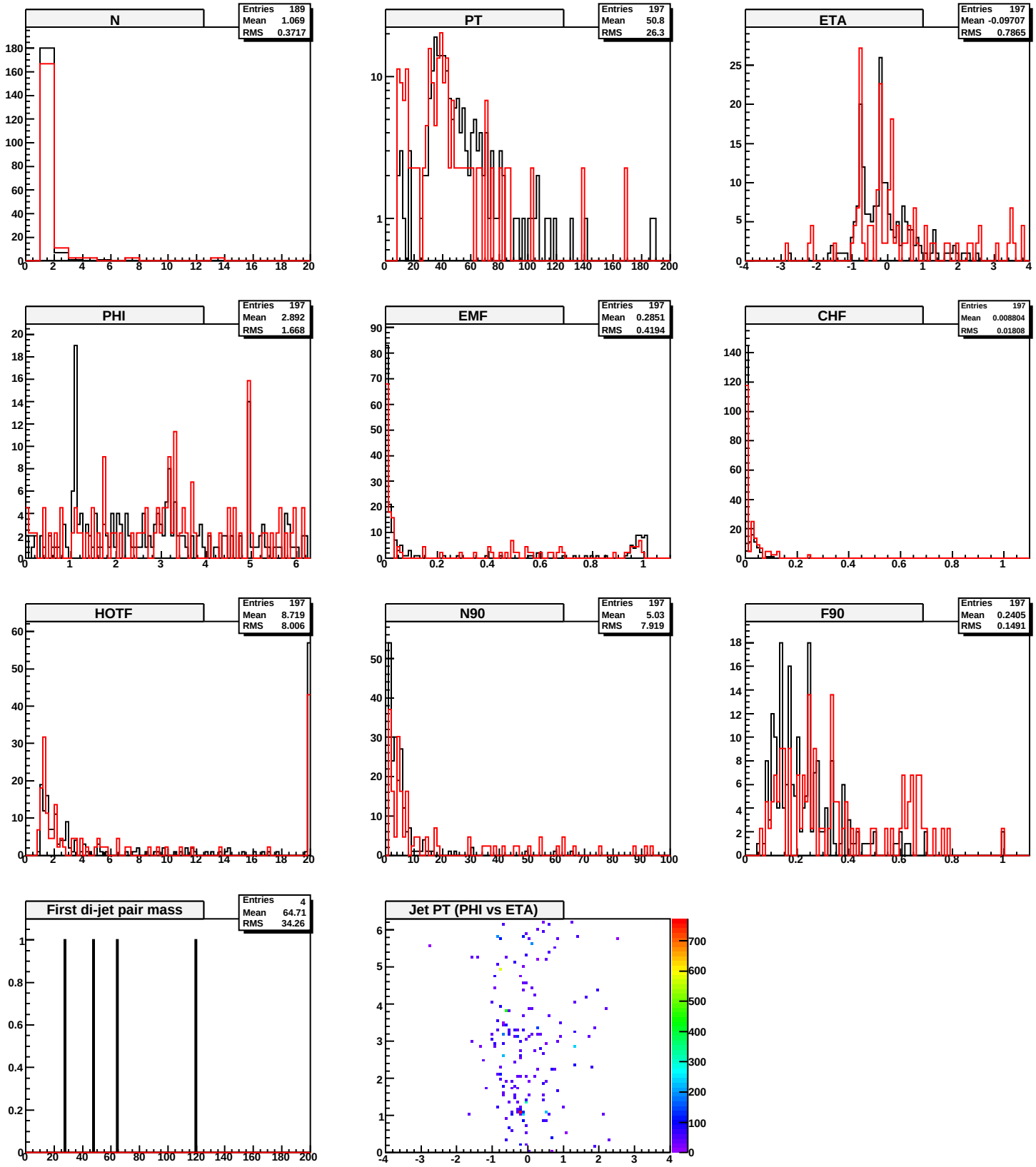
Jets (KT D 1 (no cuts))



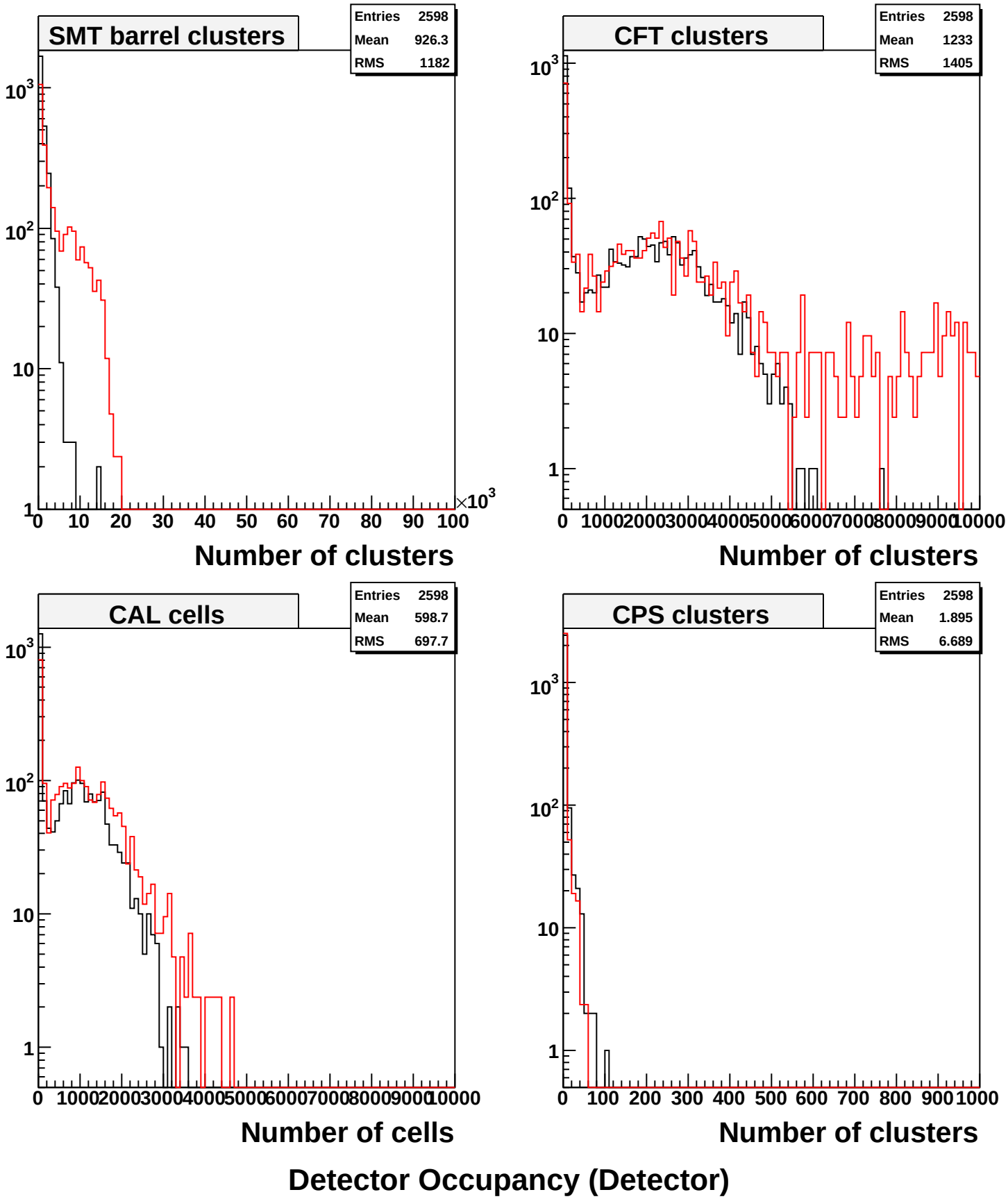
Jets (KT D 1 (standard cuts))



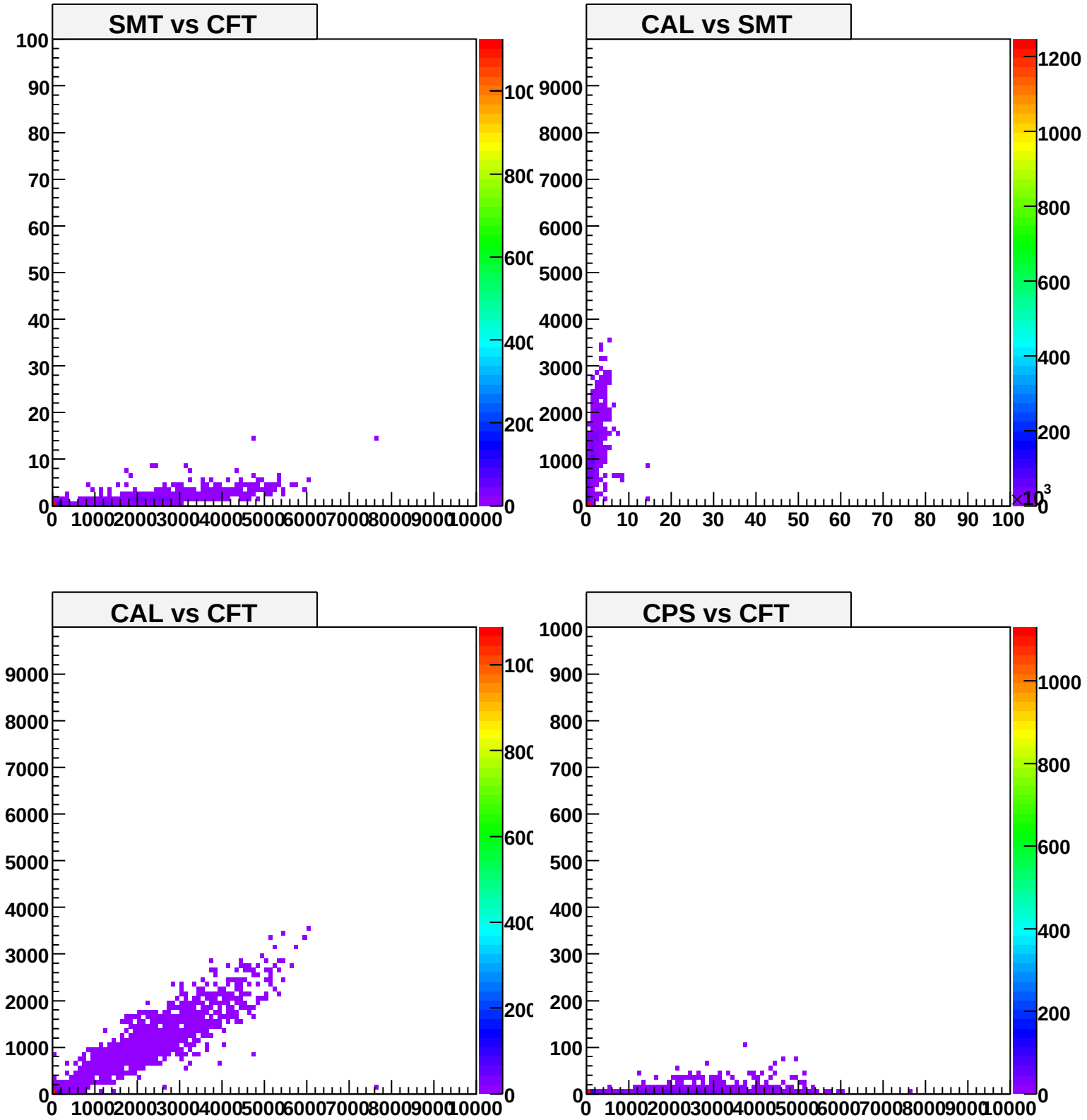
Jets (Cone R 0.7 (standard cuts, MET>30))

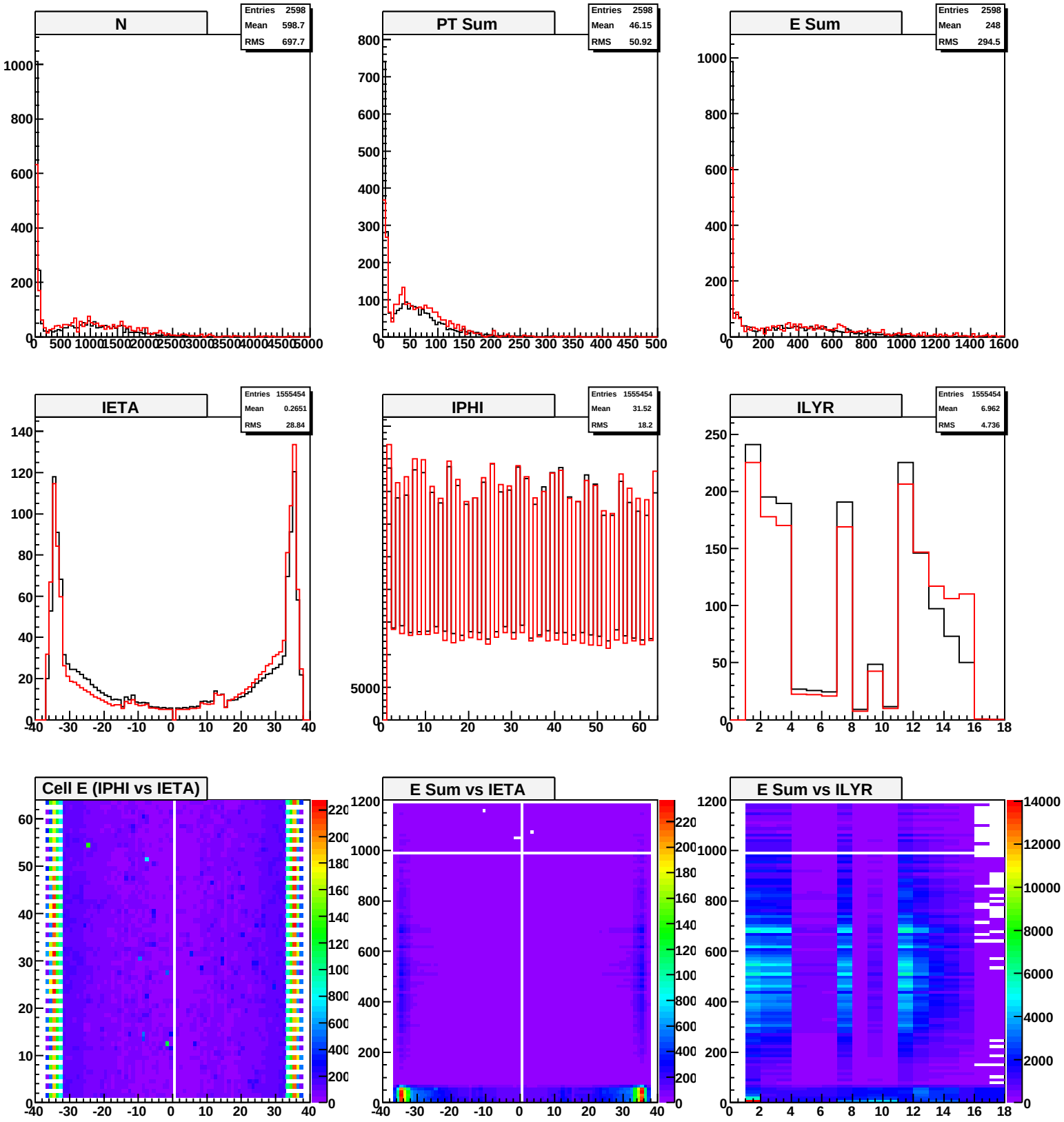


Jets (KT D 1 (standard cuts, MET>30))

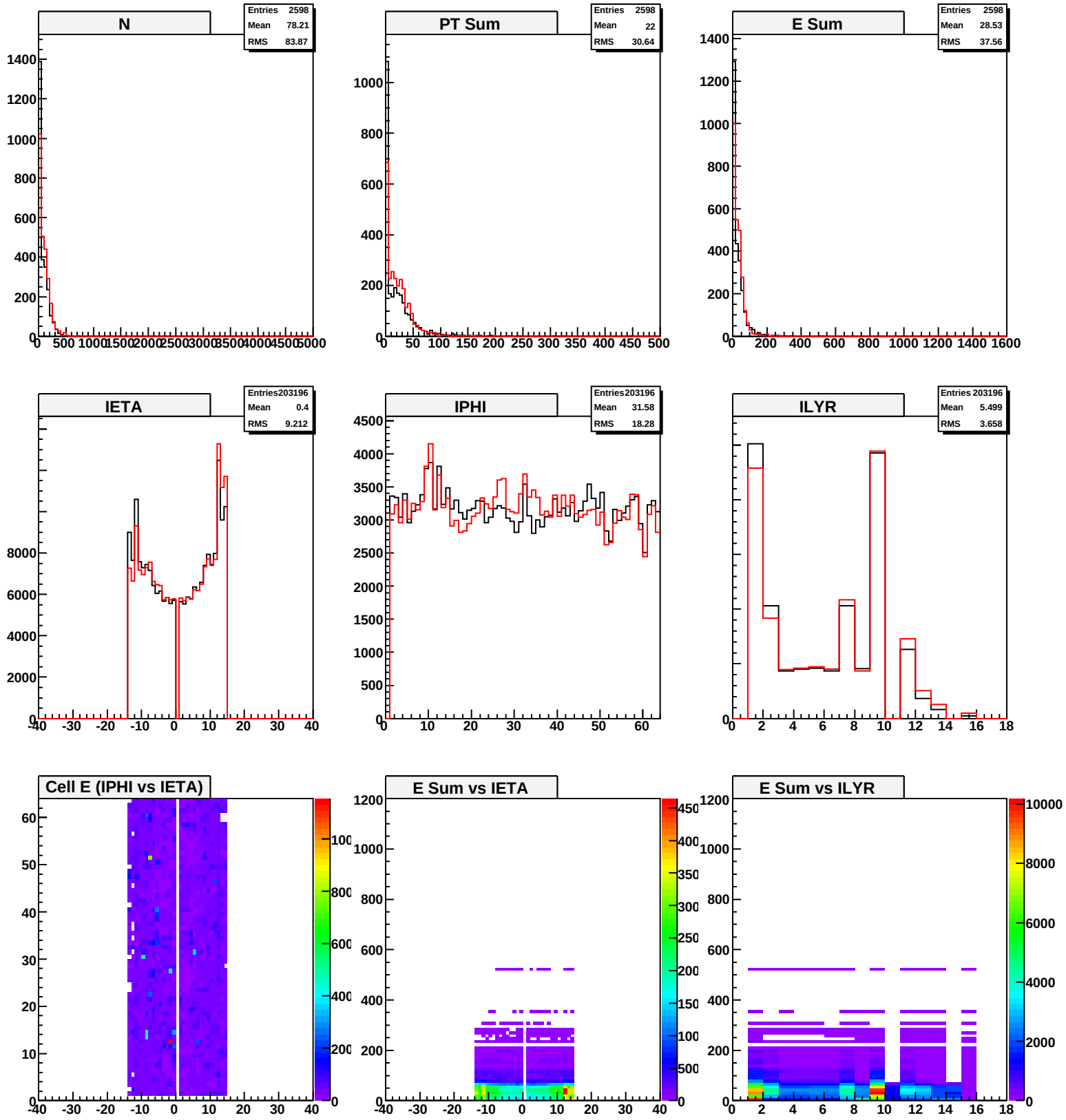


Detector Occupancy (Detector)

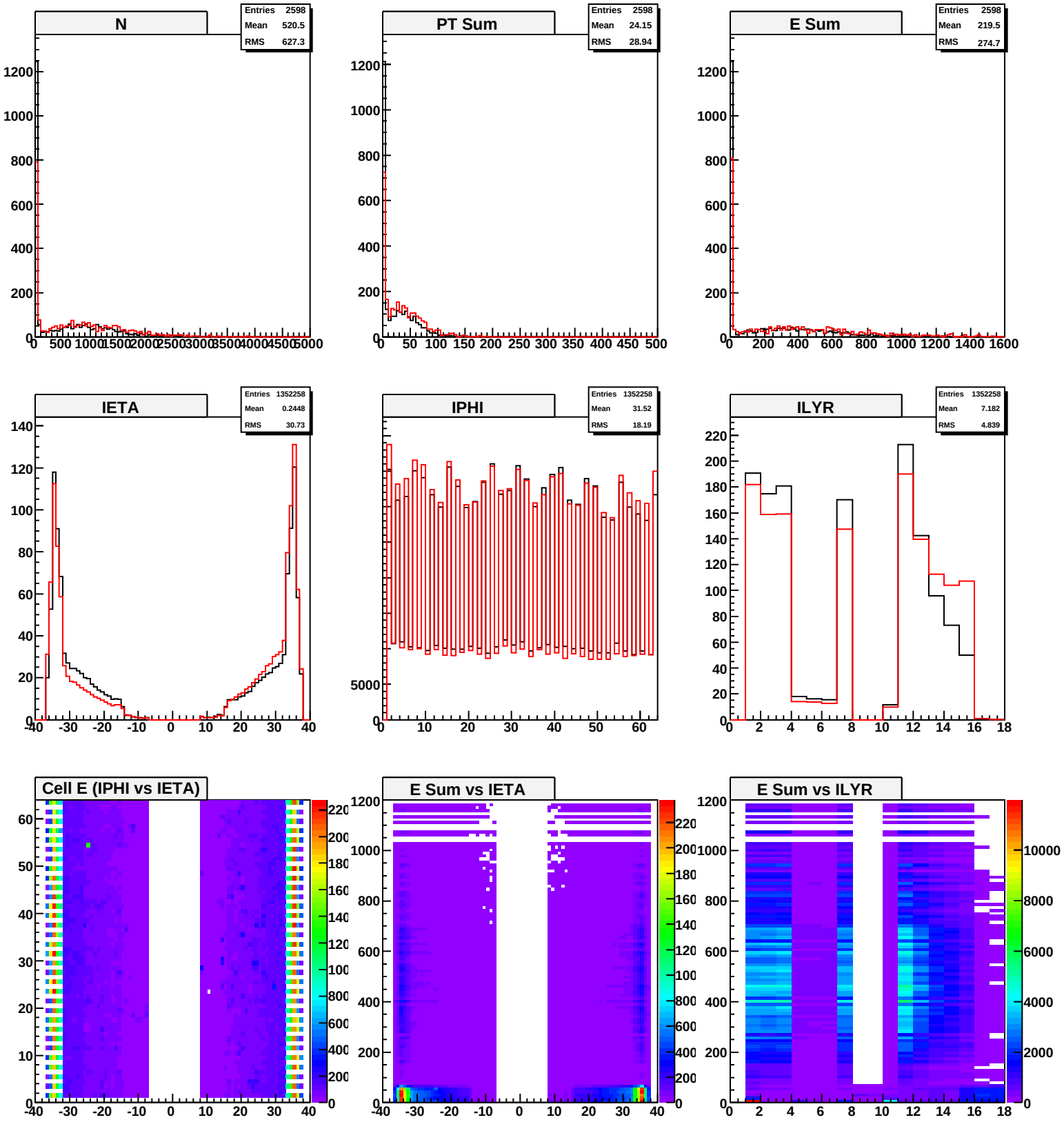

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)



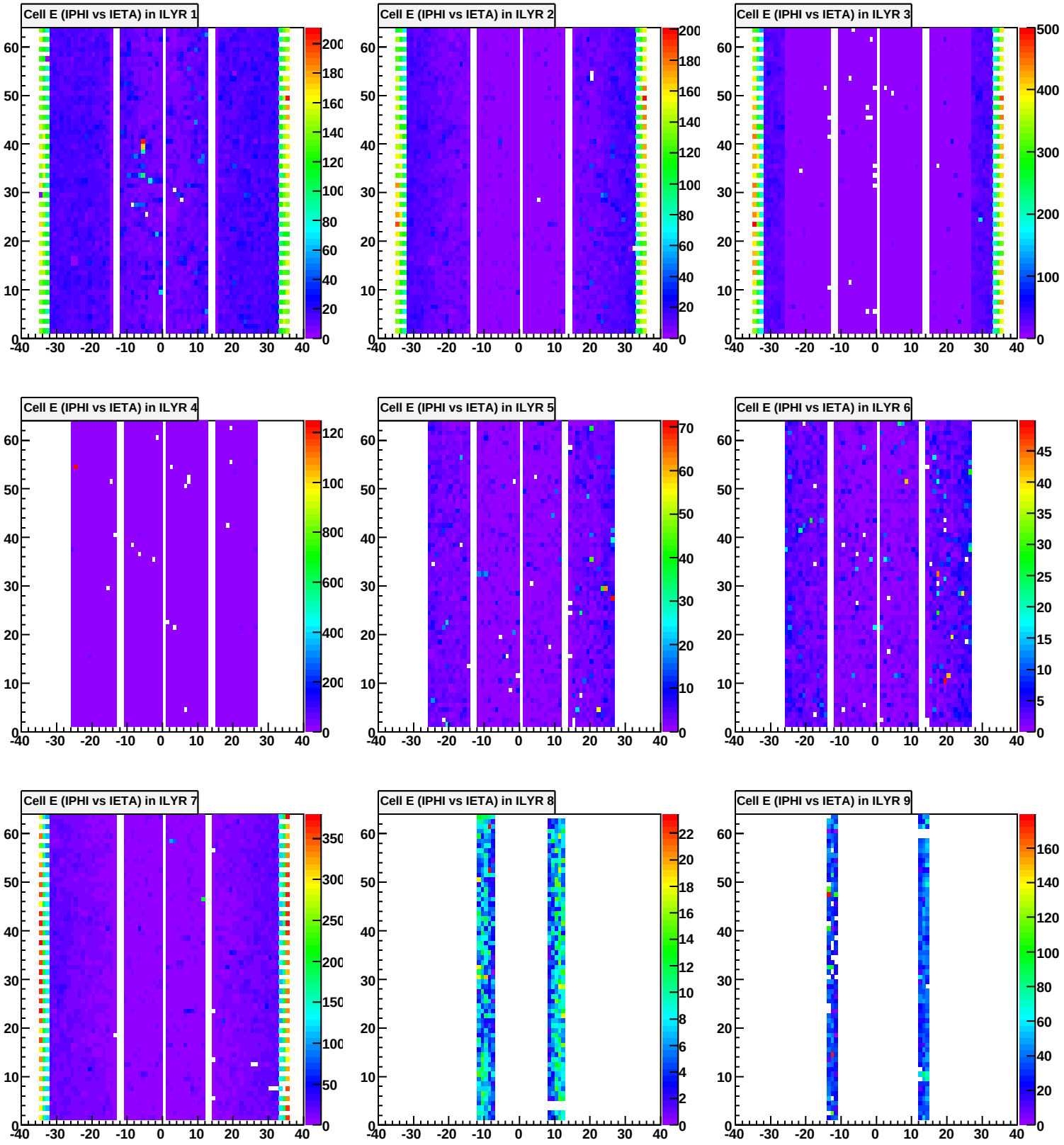
Calorimeter (All cells)



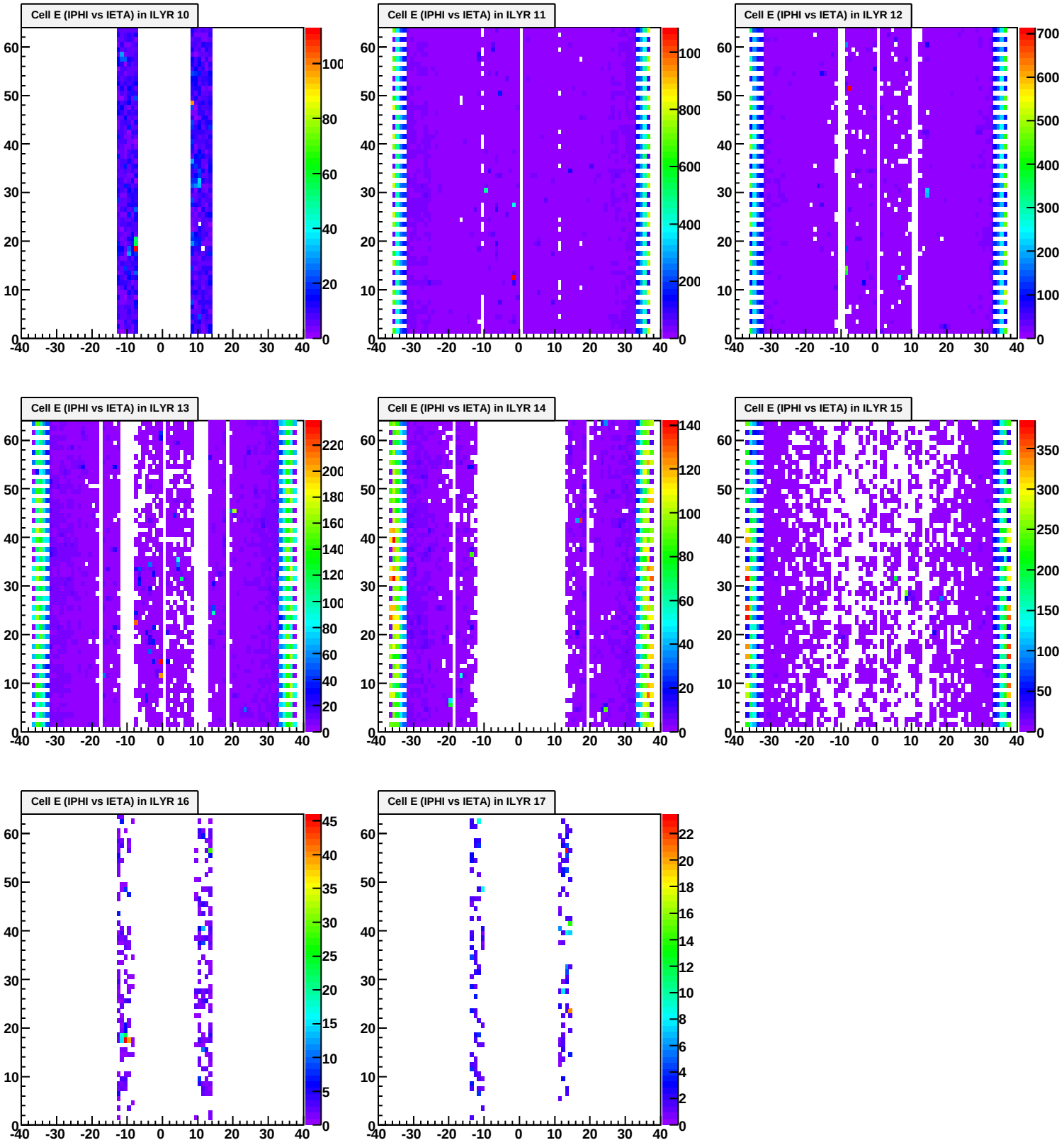
Calorimeter (All CC cells)



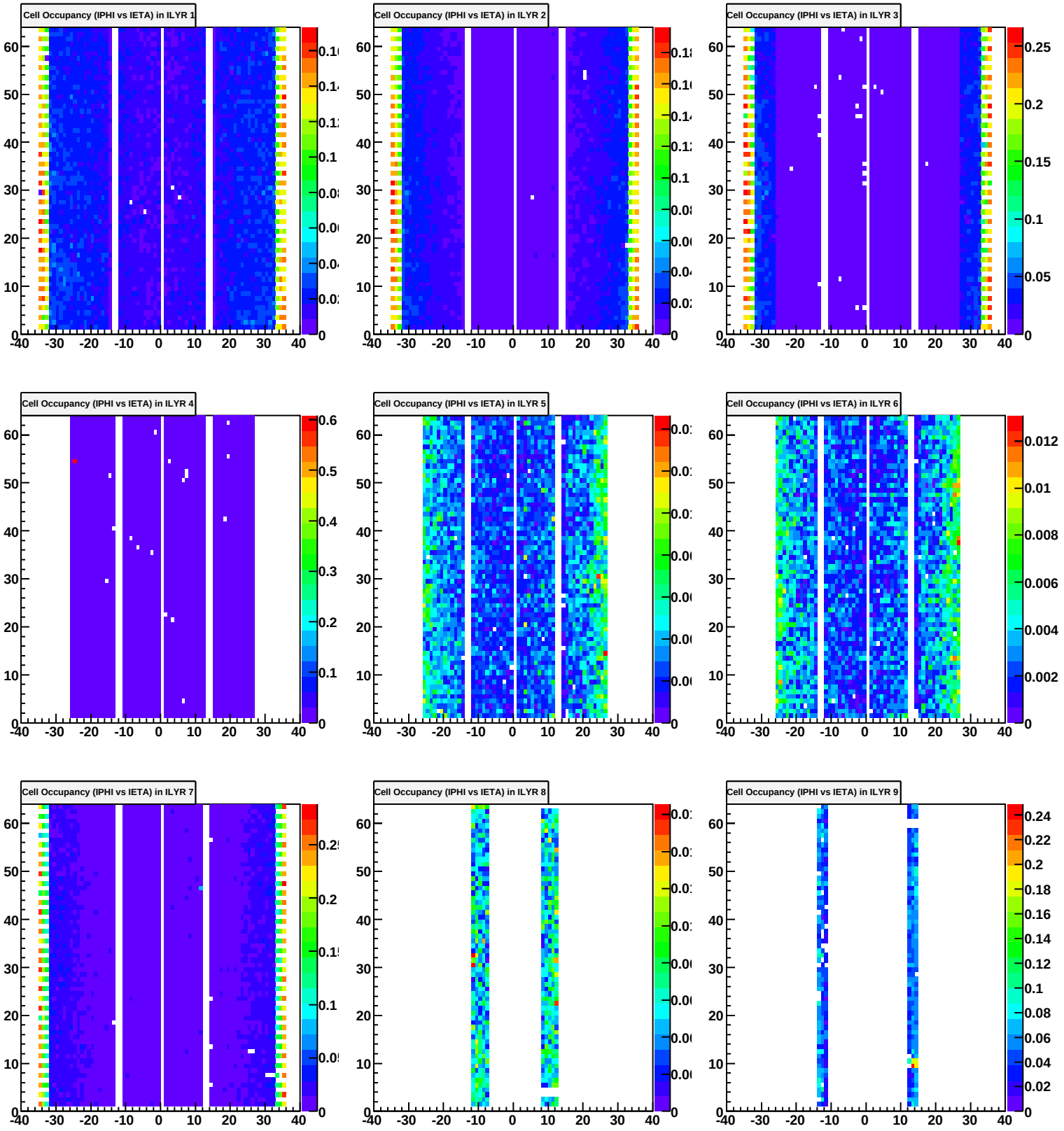
Calorimeter (All EC cells)



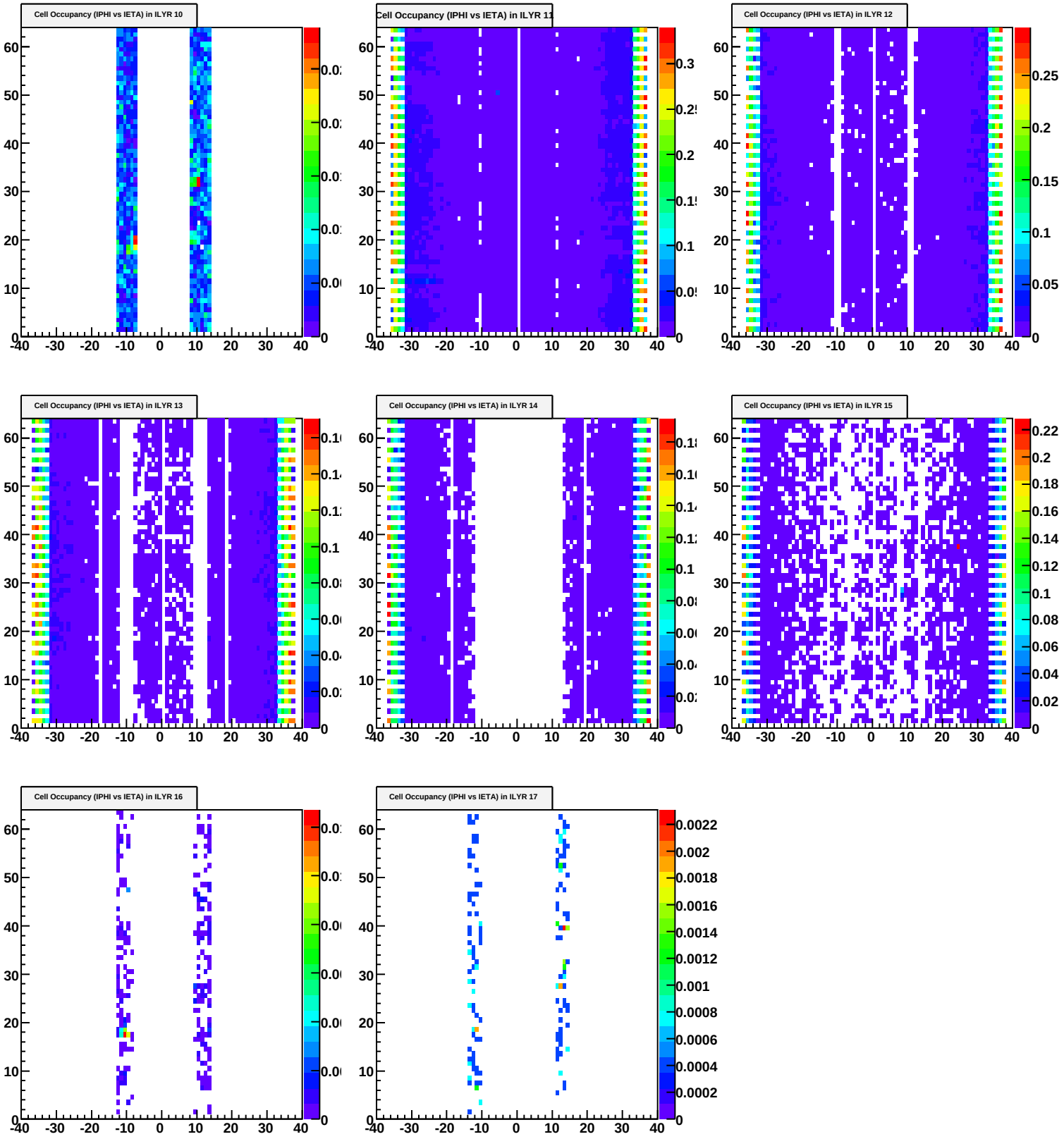
Calorimeter Cell Energy ILYR 1-9 (All cells)



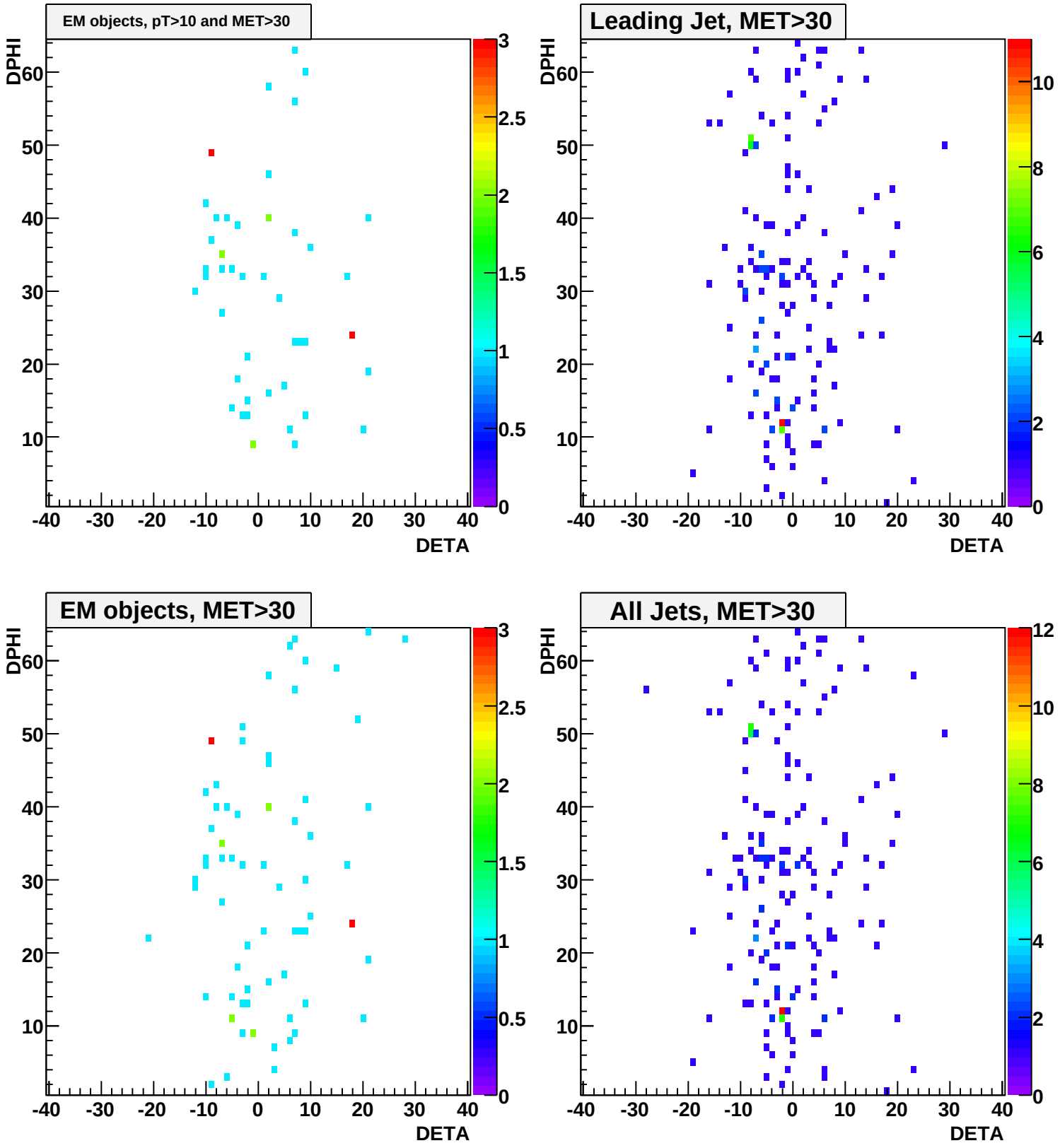
Calorimeter Cell Energy ILYR 10-17 (All cells)



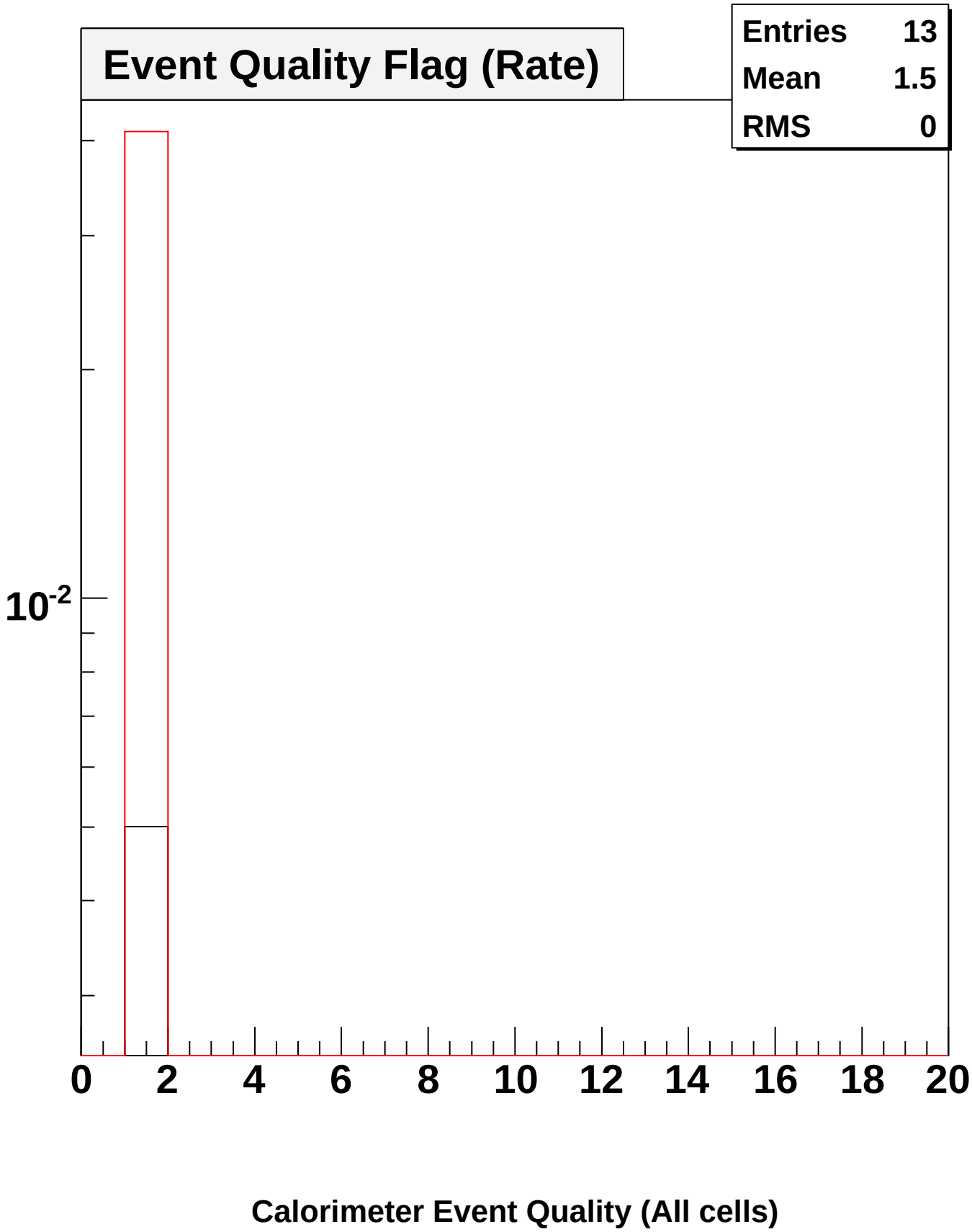
Calorimeter Occupancy ILYR 1-9 (All cells)

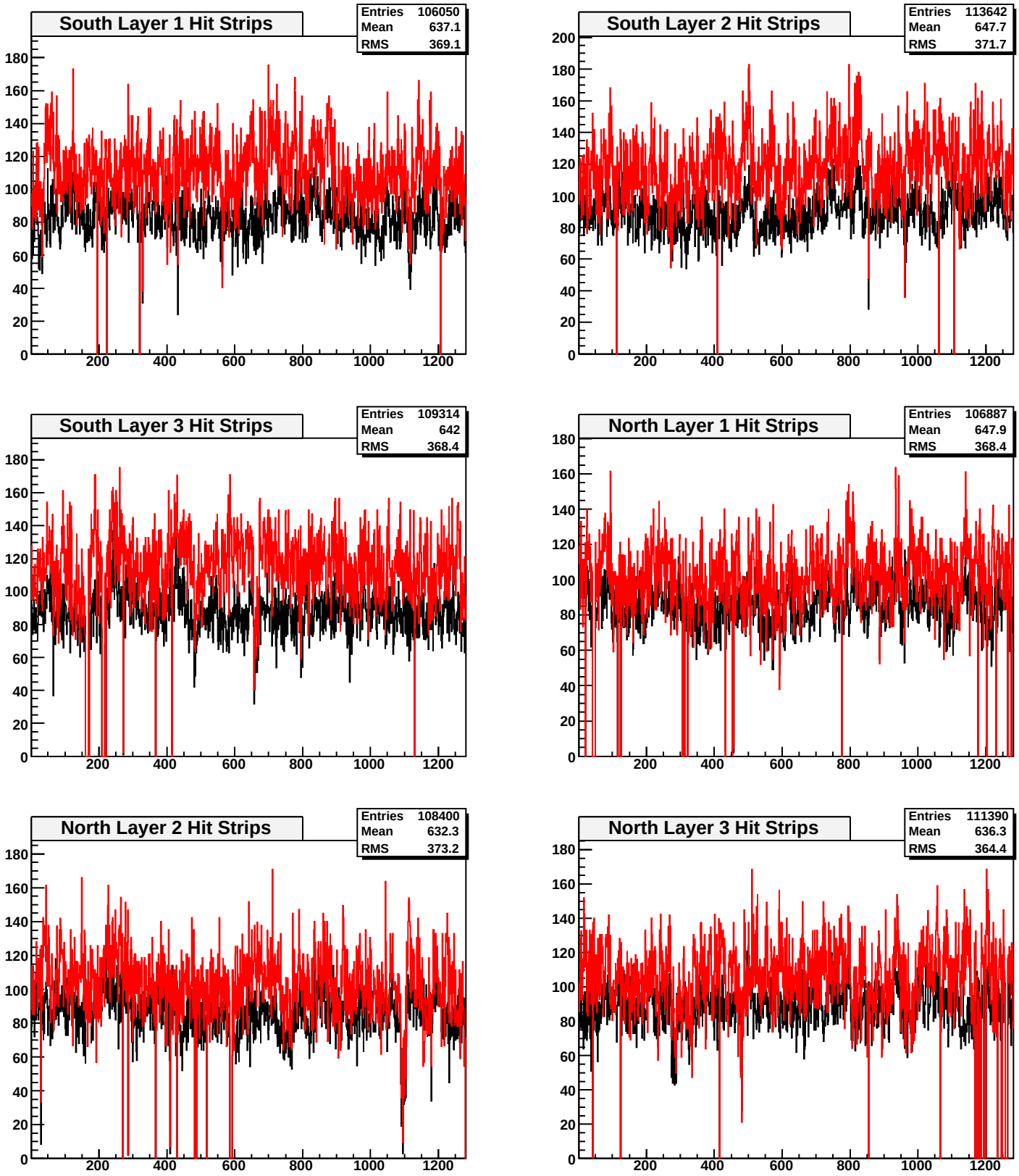


Calorimeter Occupancy ILYR 10-17 (All cells)

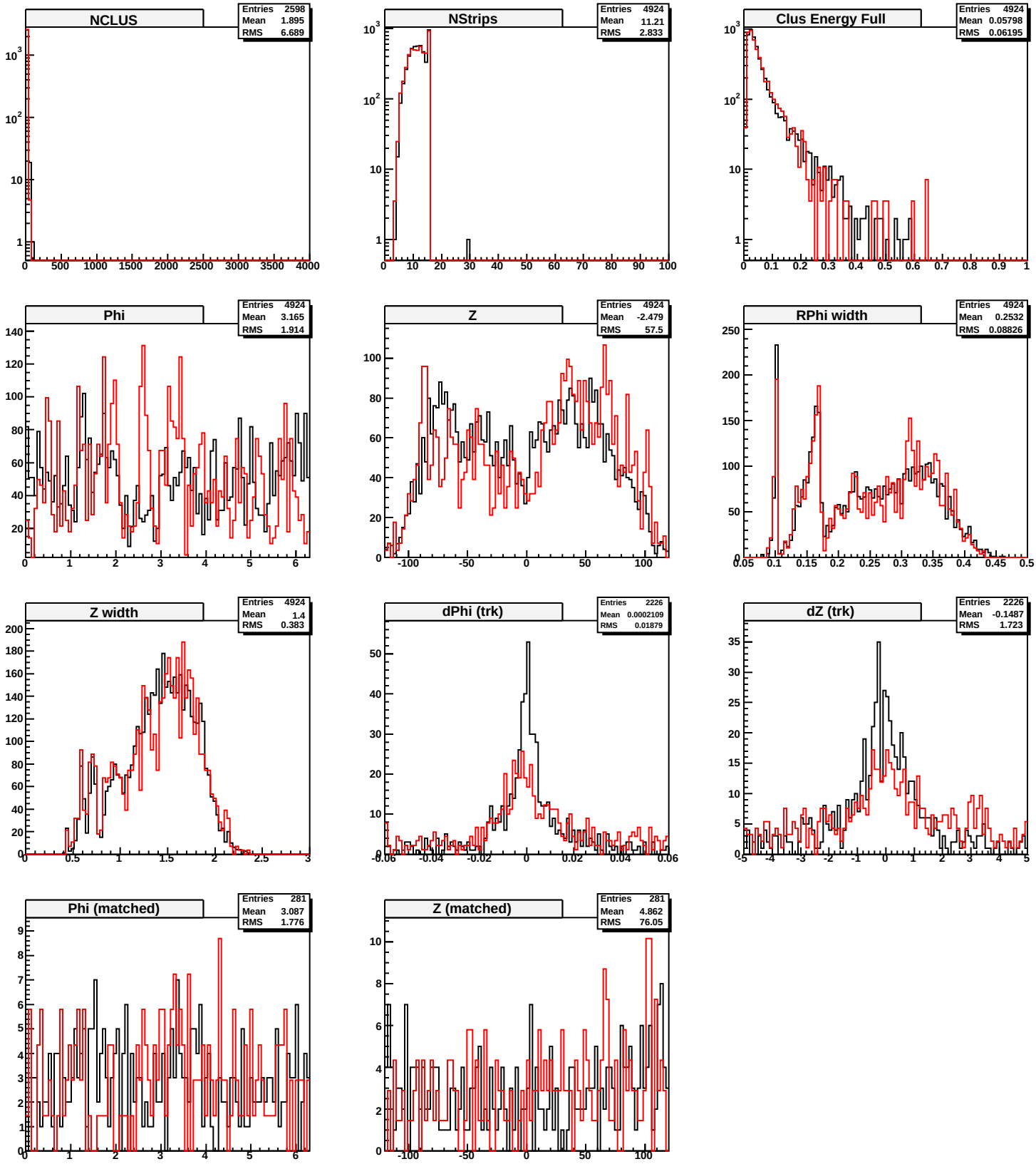


Cal Objects with MET>30 (All cells)

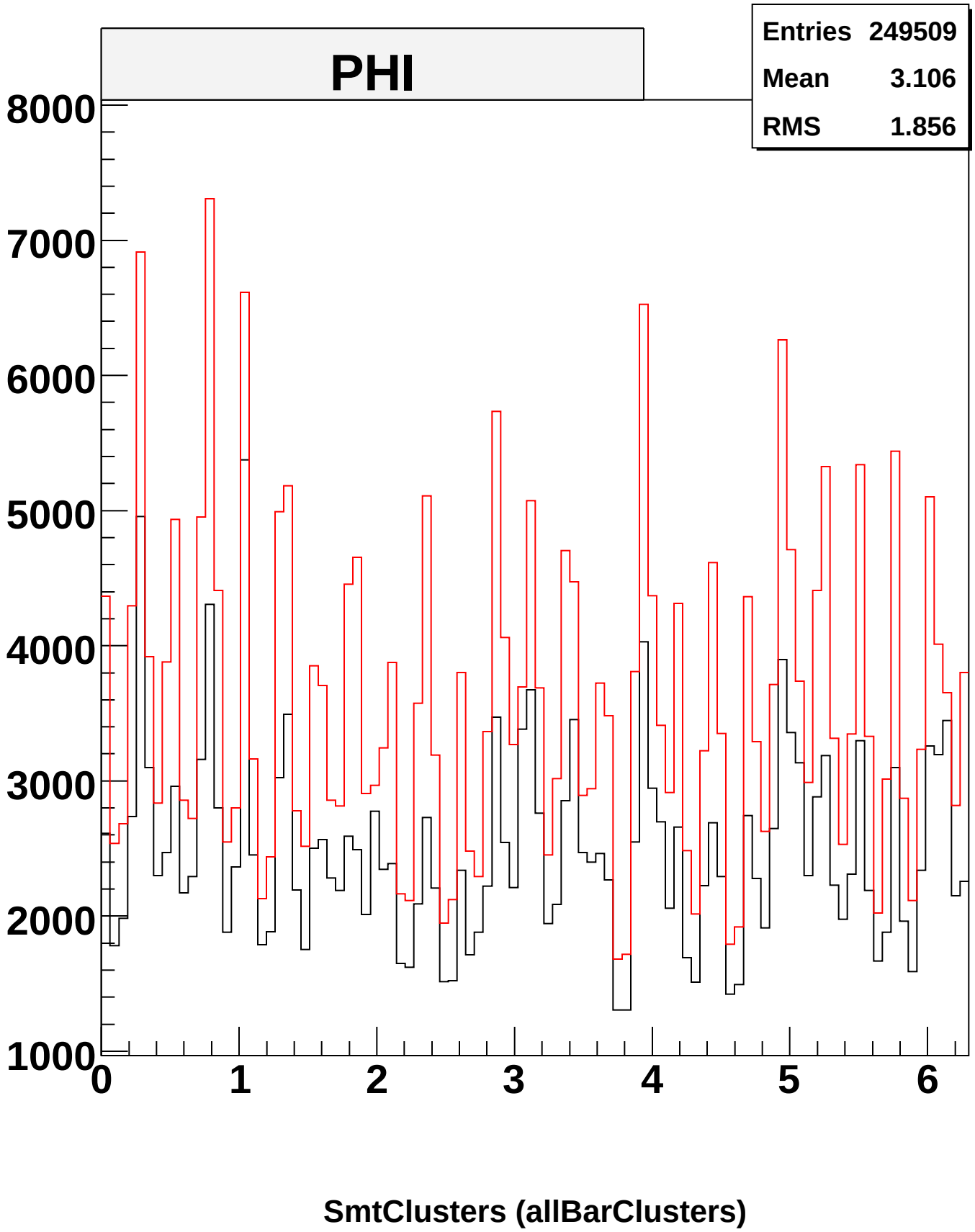

Event Quality Flag (Rate)
Entries 13
Mean 1.5
RMS 0
10-2
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

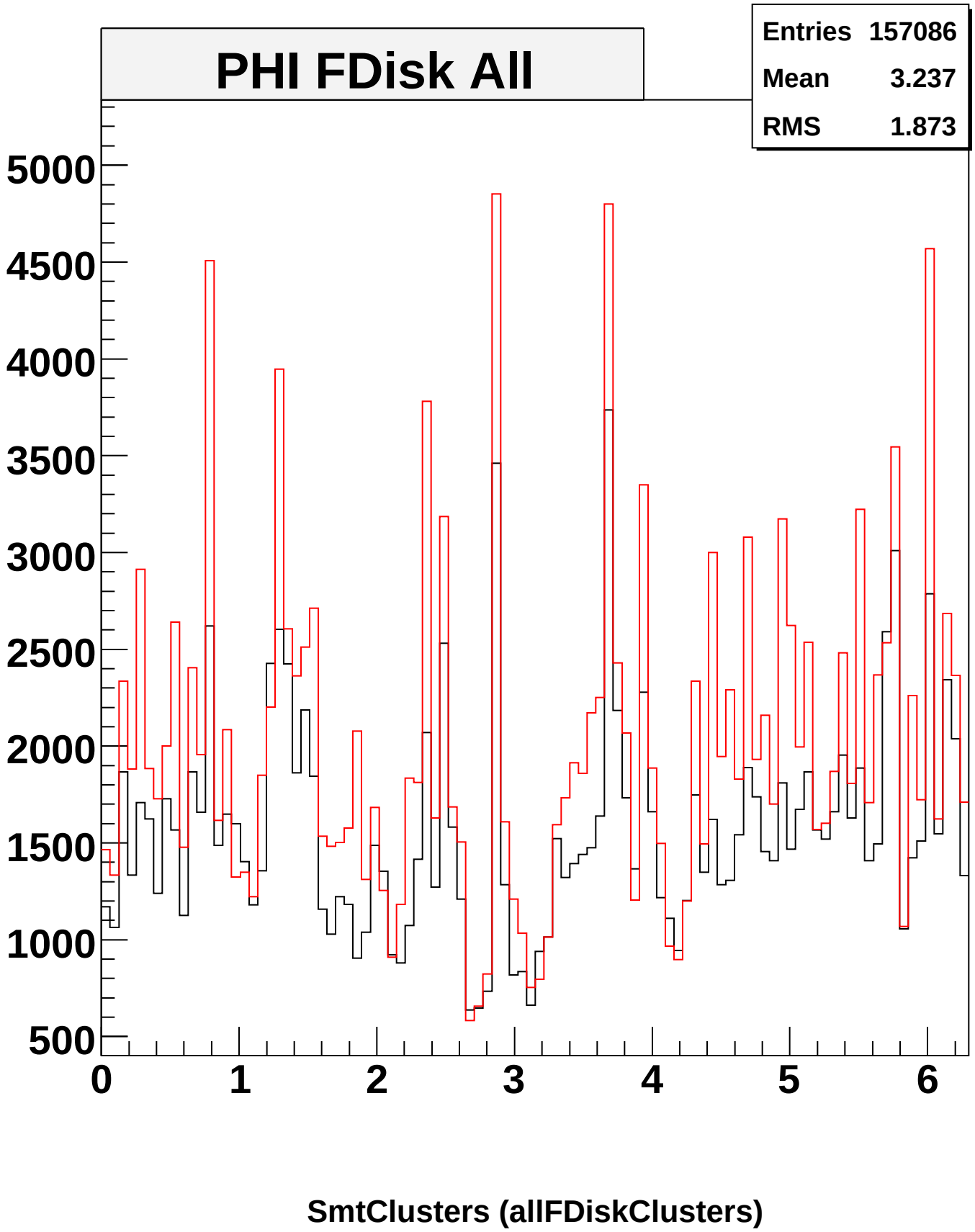


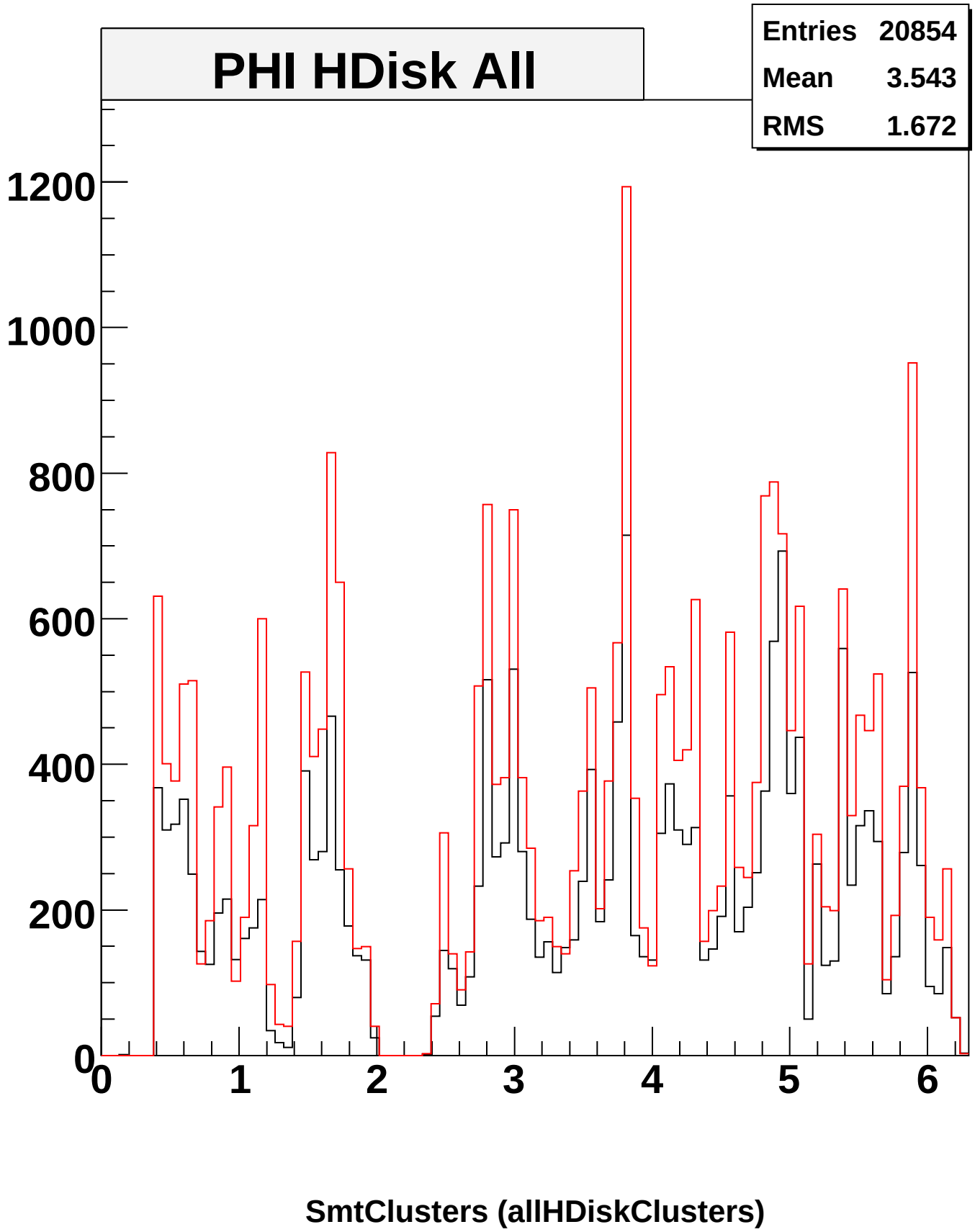
CPS Hit Strips (All Clusters)

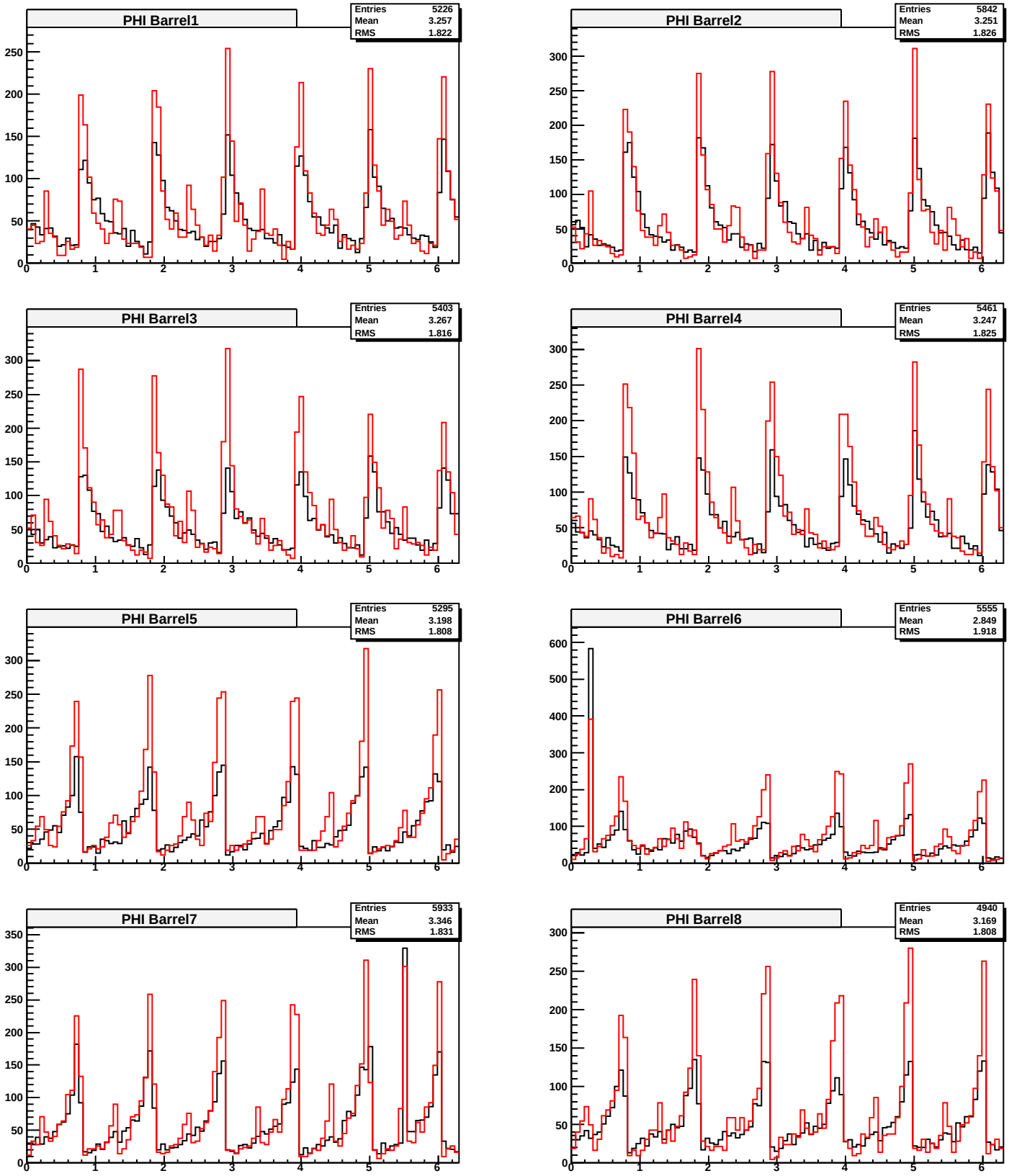


CPS Clusters (All Clusters)

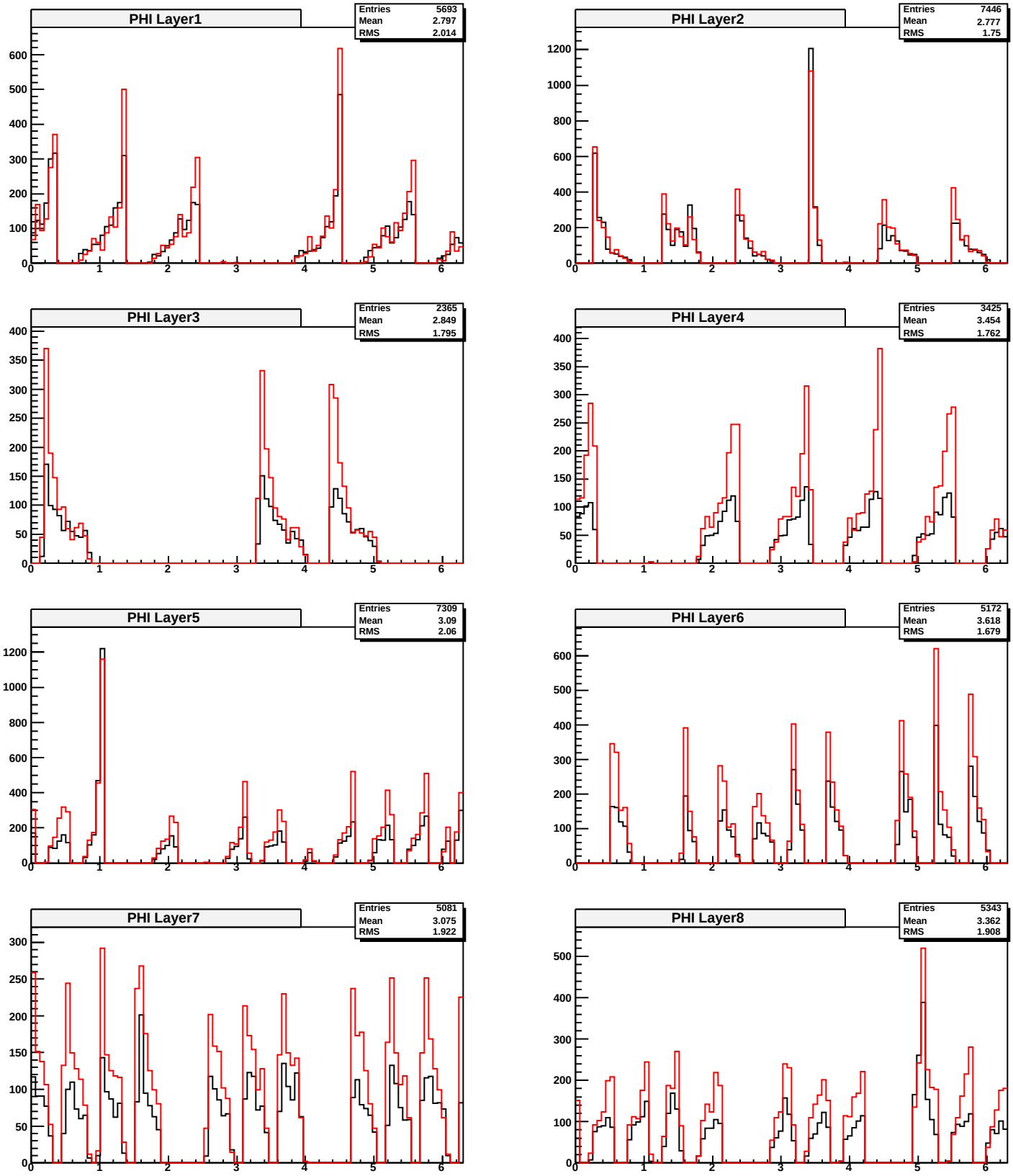

PHI
Entries 249509
Mean 3.106
RMS 1.856
8000
7000
6000
5000
4000
3000
2000
1000
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 157086
Mean 3.237
RMS 1.873
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

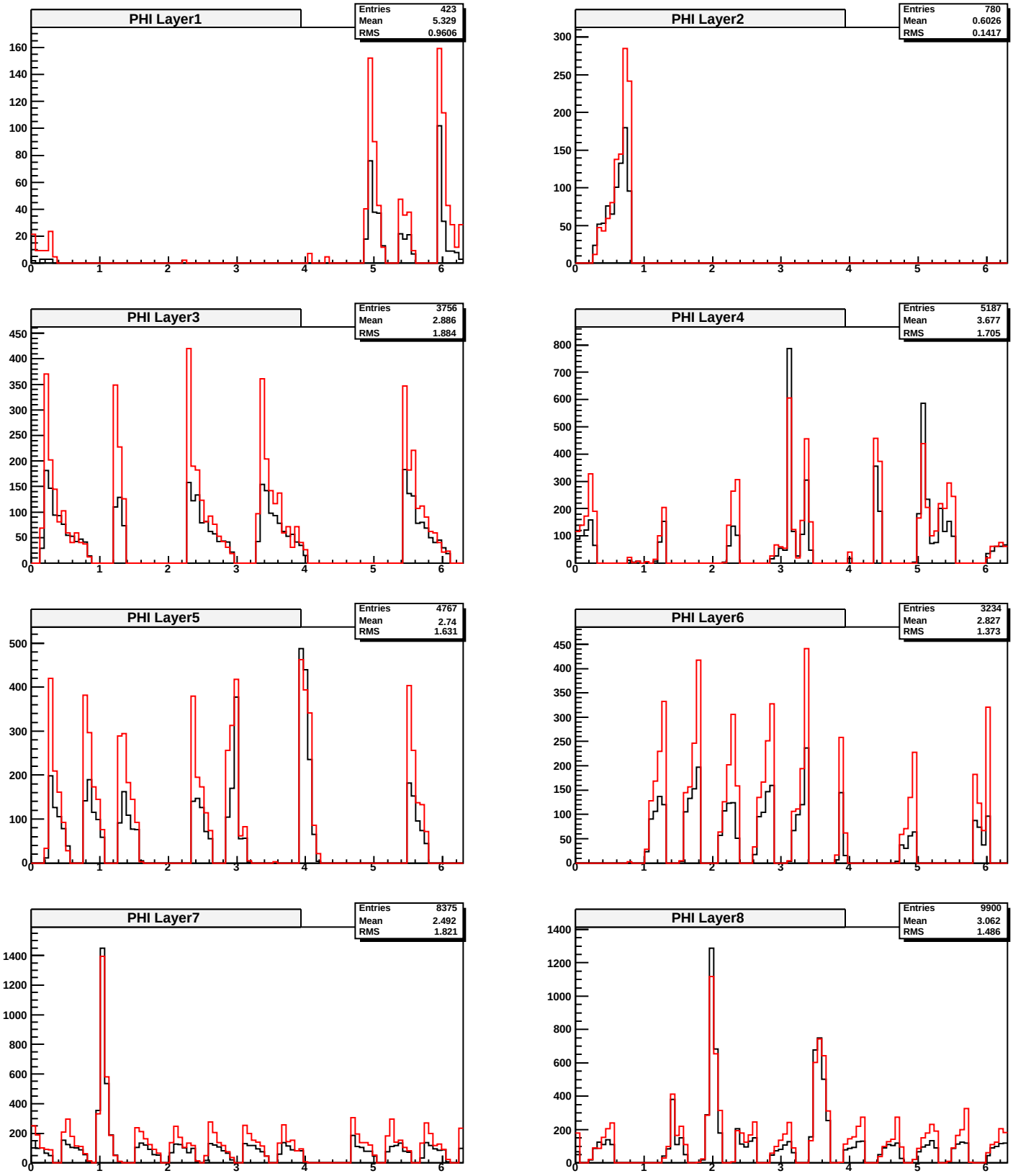

PHI HDisk All
Entries 20854
Mean 3.543
RMS 1.672
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)



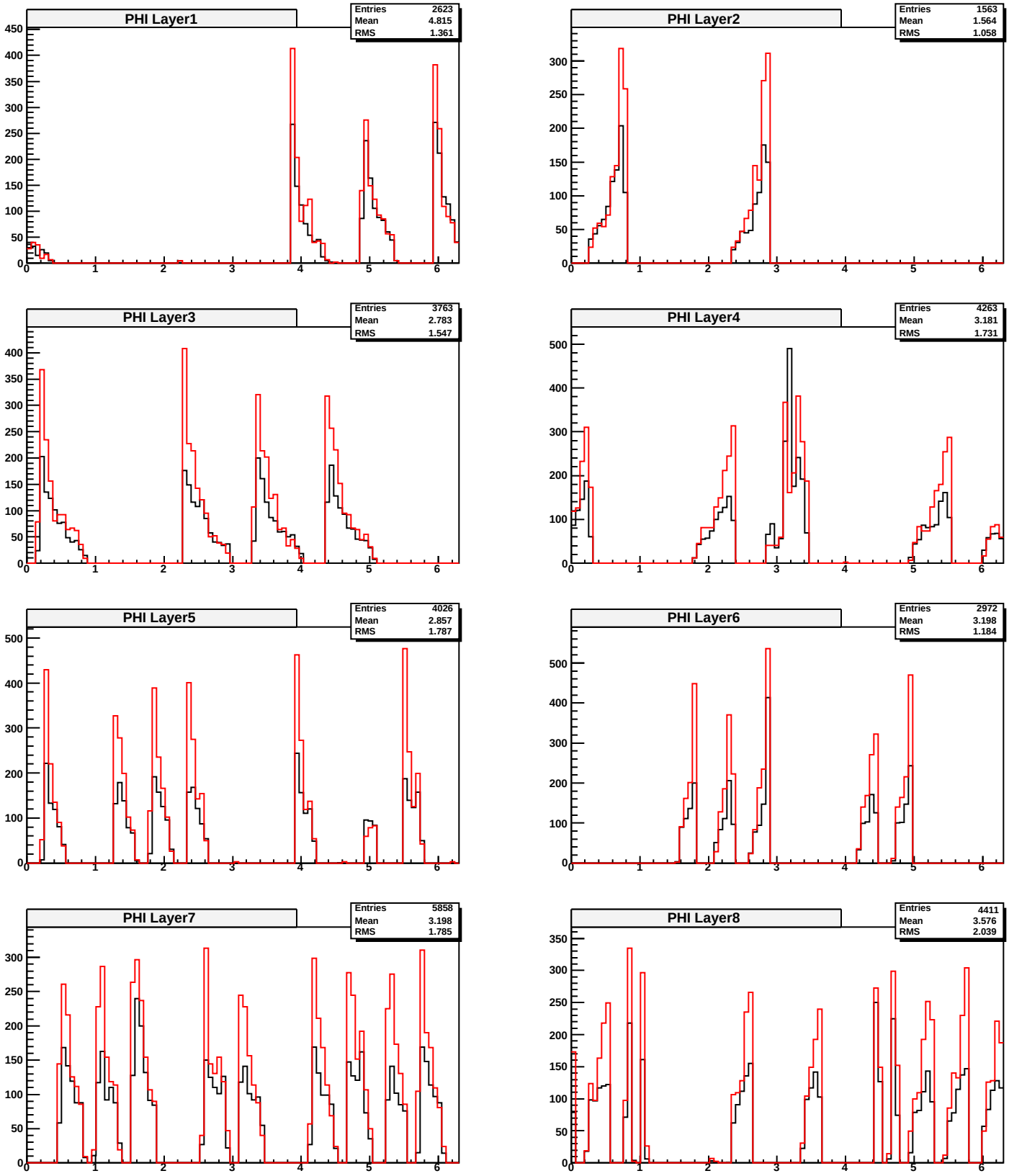
SmtClusters (ClustrLayer0)



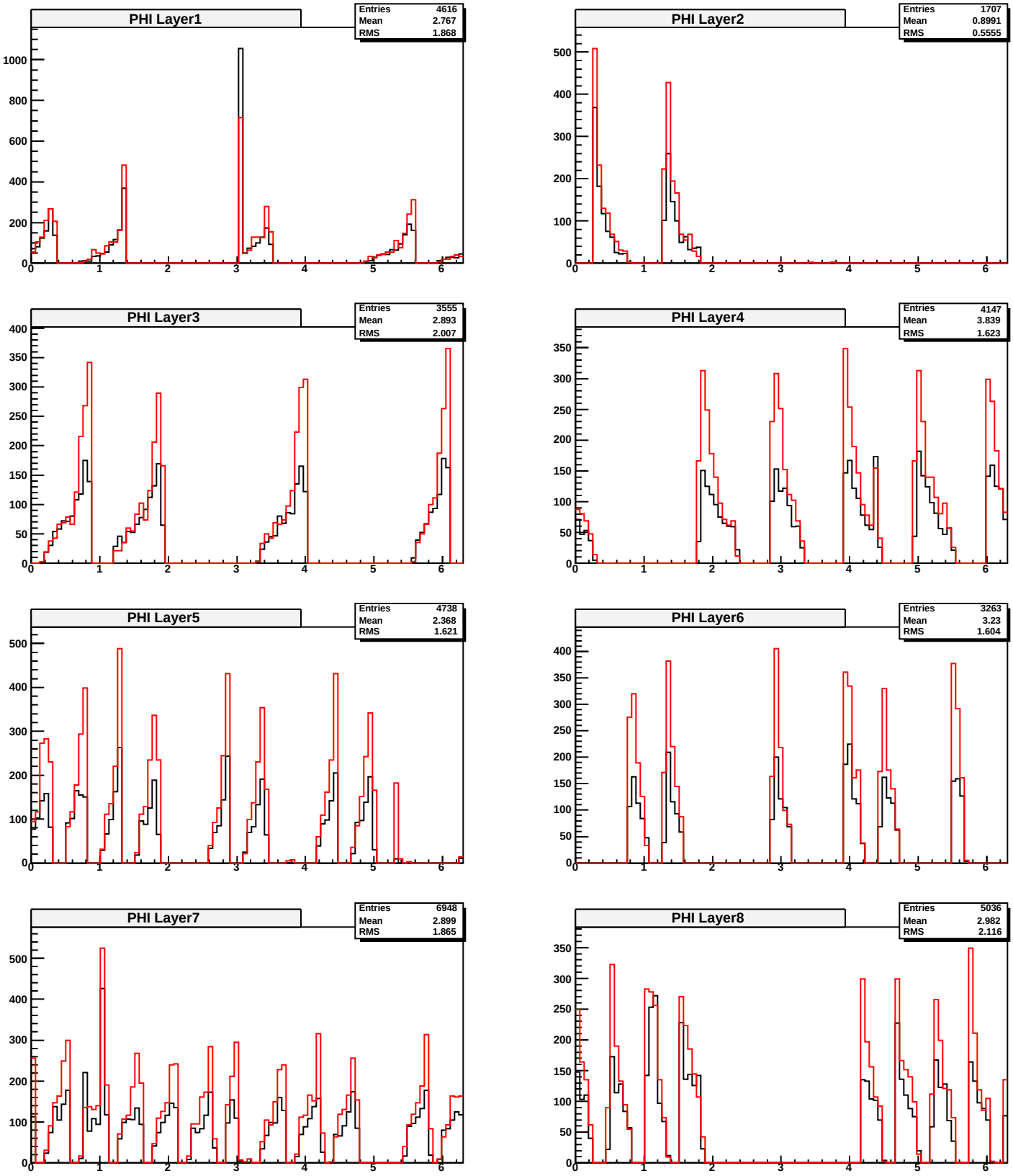
SmtClusters (ClustrBar1)



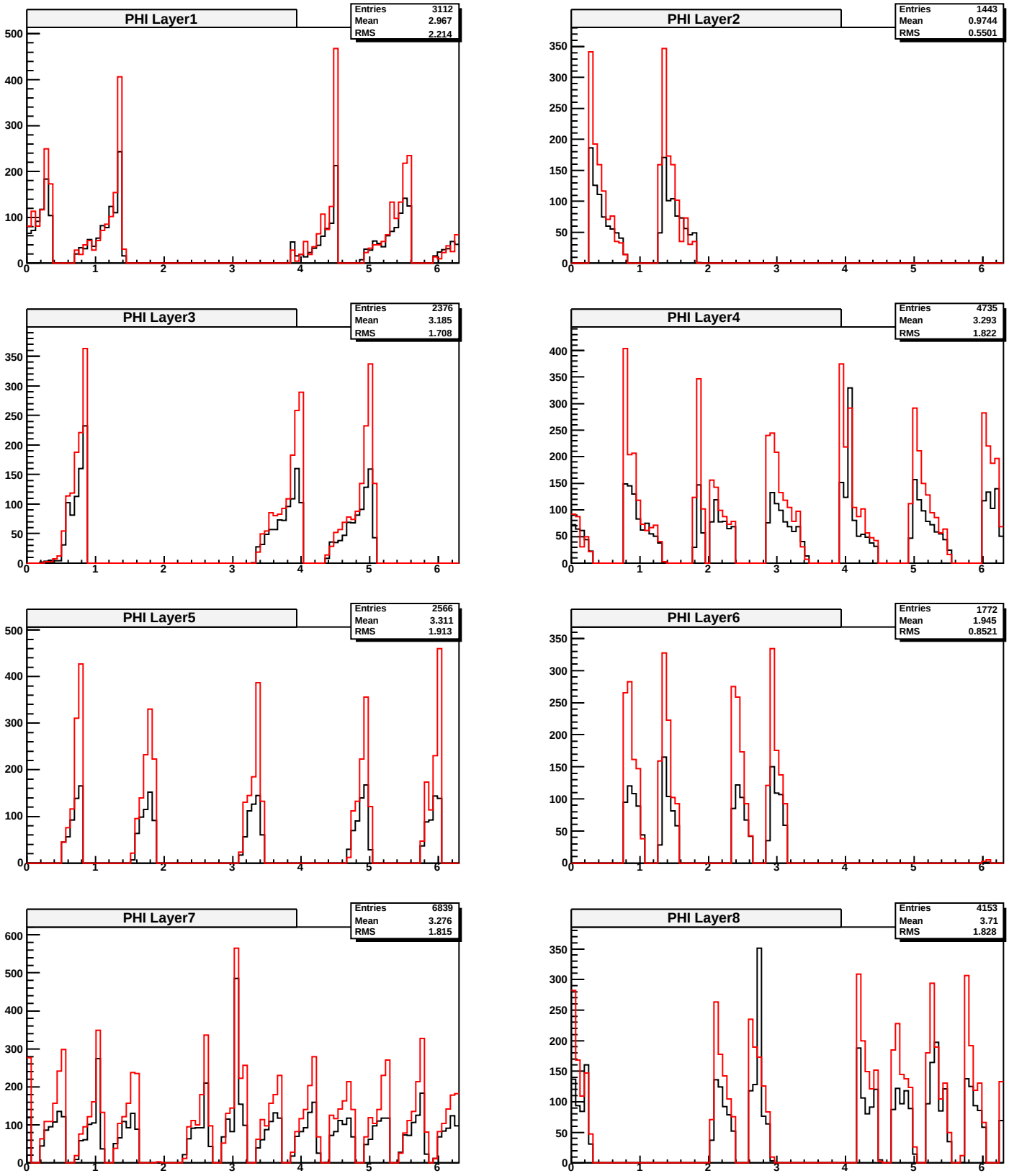
SmtClusters (ClustrBar2)



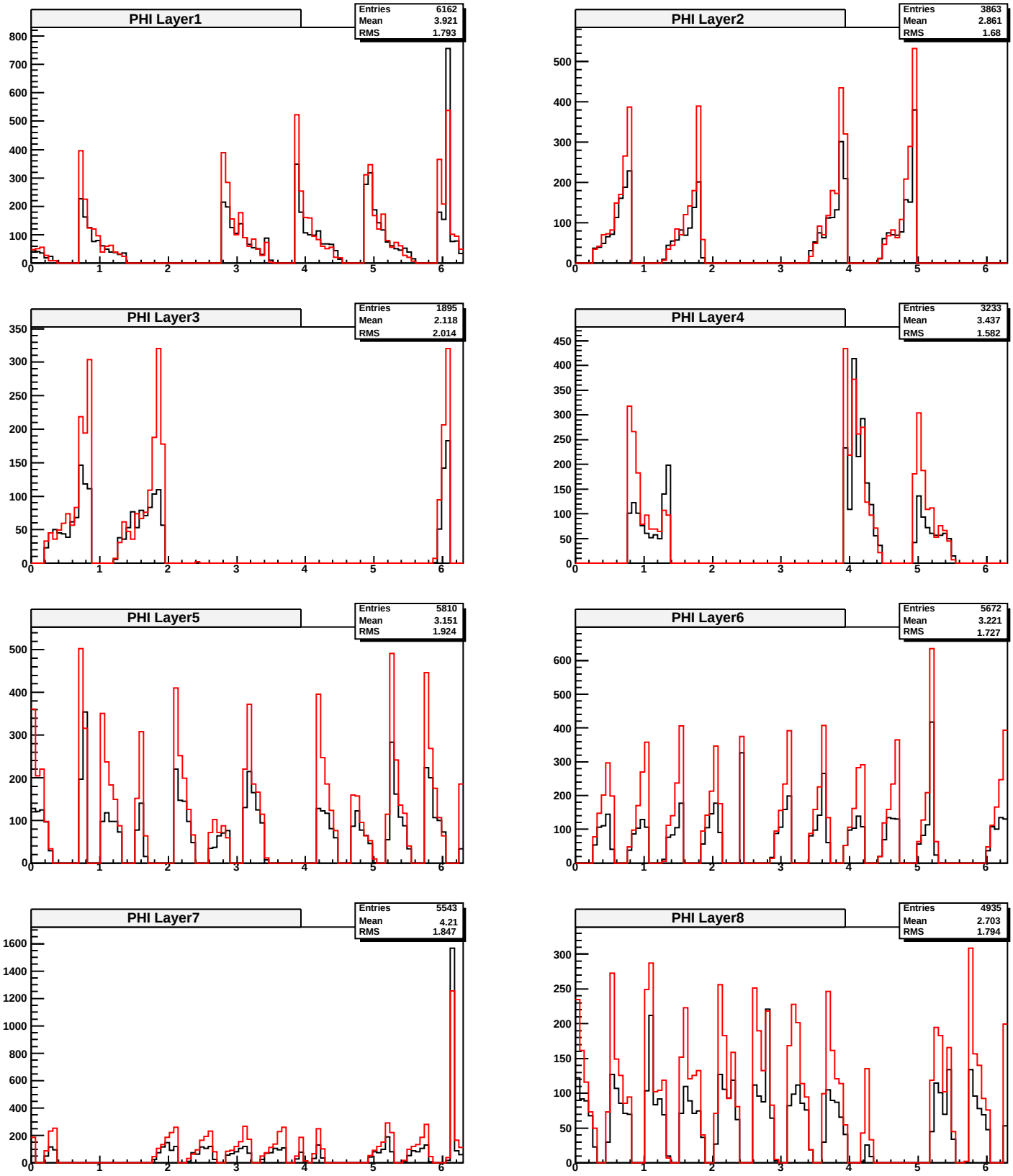
SmtClusters (ClustrBar3)



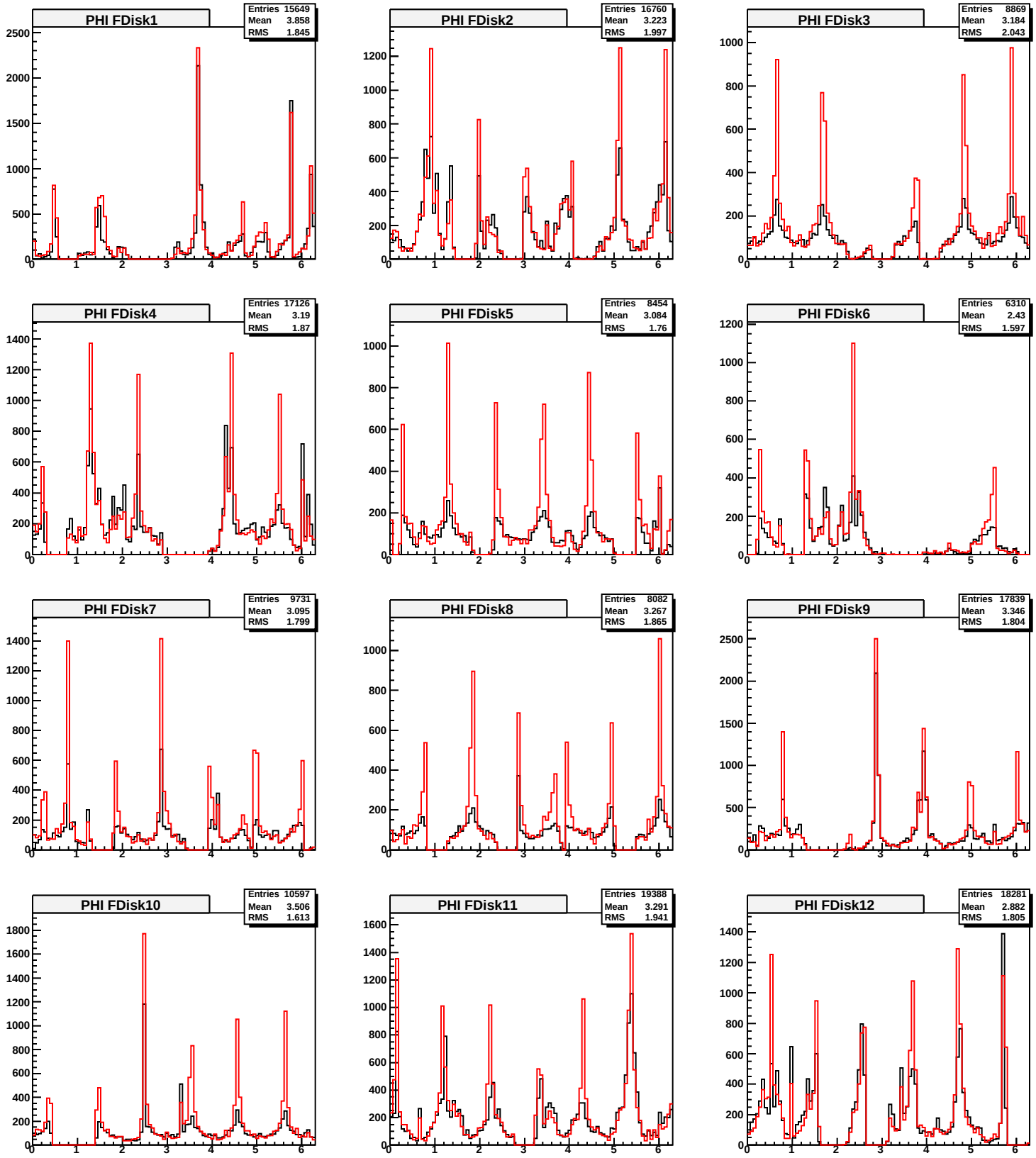
SmtClusters (ClustrBar4)



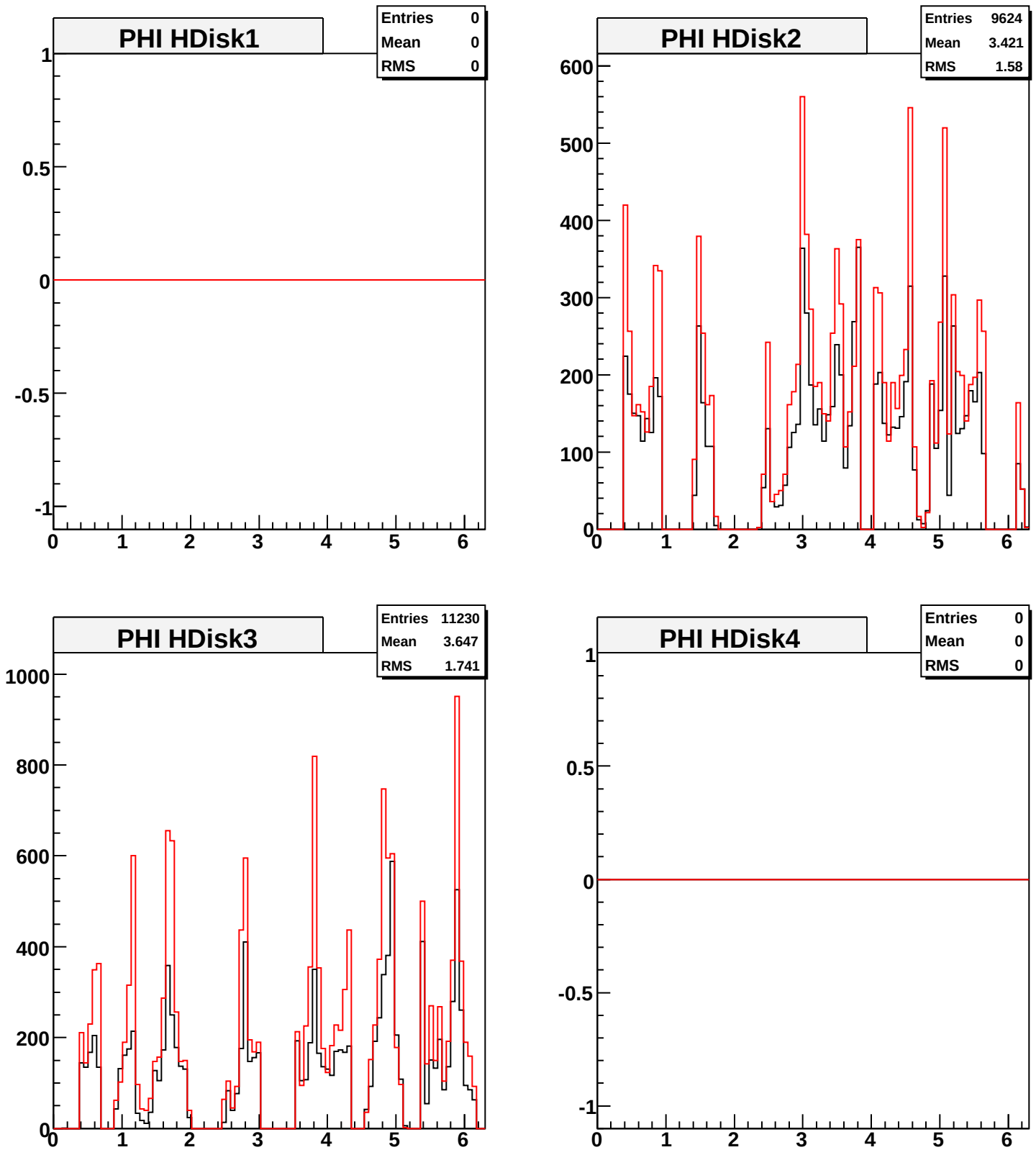
SmtClusters (ClustrBar5)



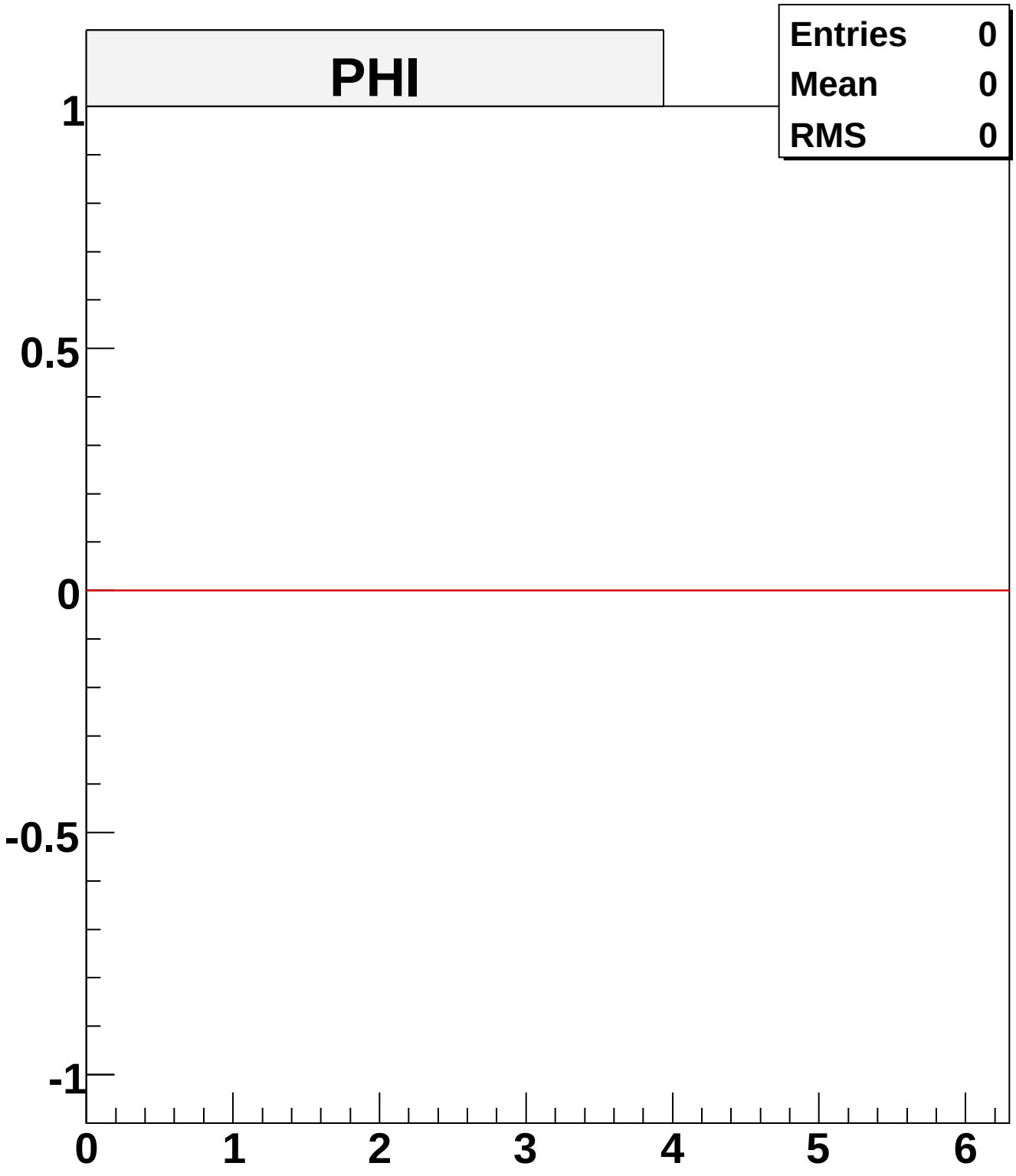
SmtClusters (ClustrBar6)



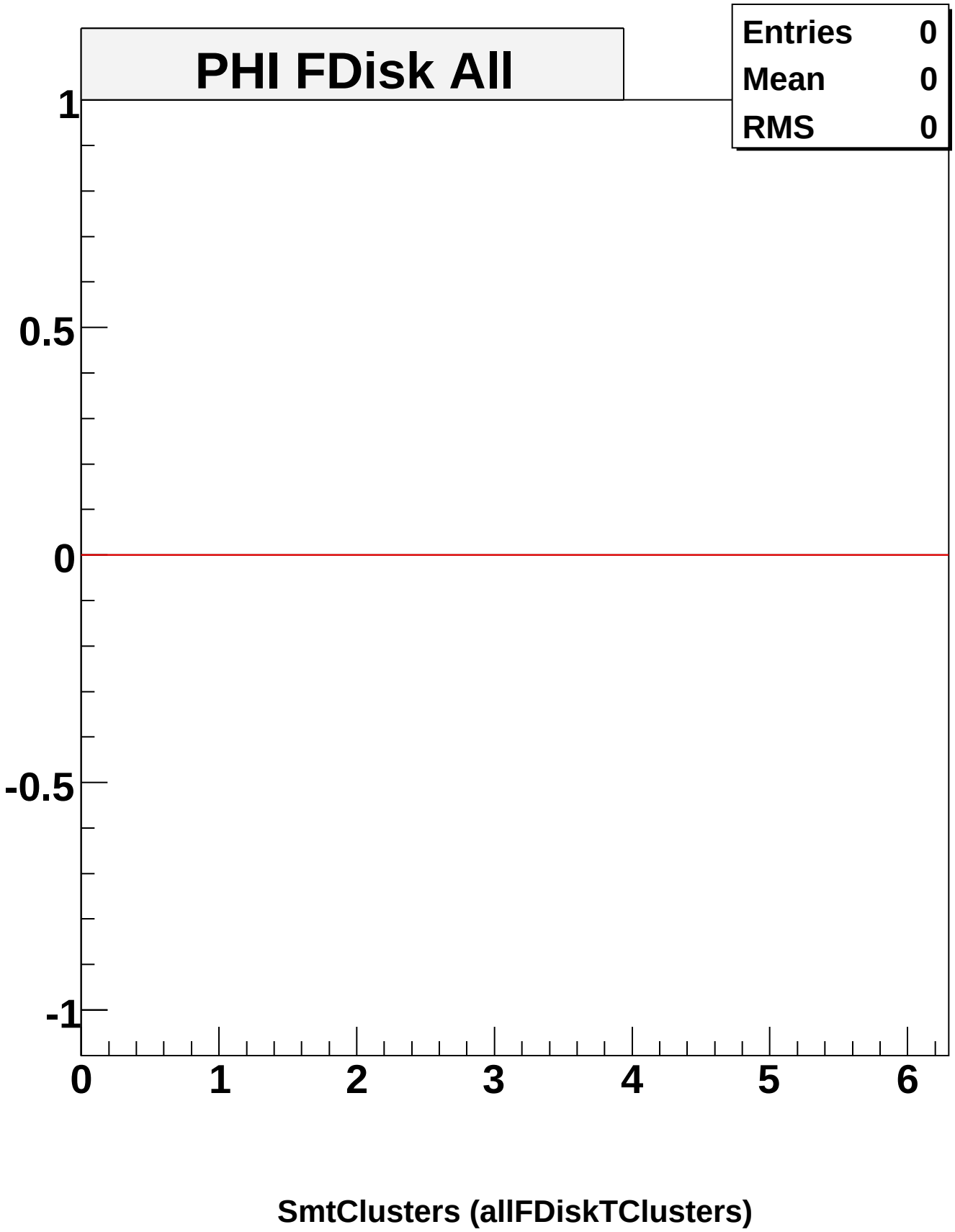
SmtClusters (FDiskClusters)

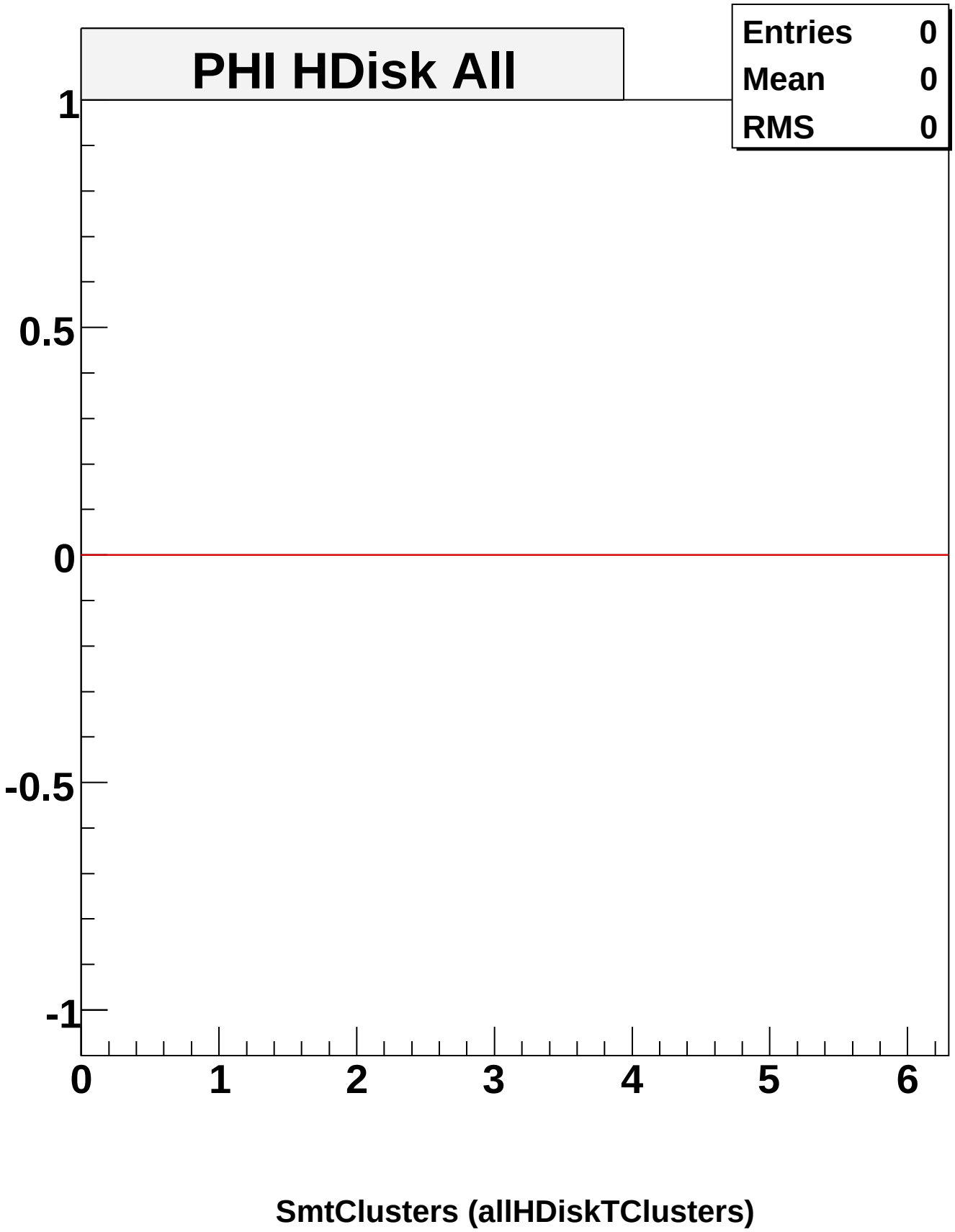


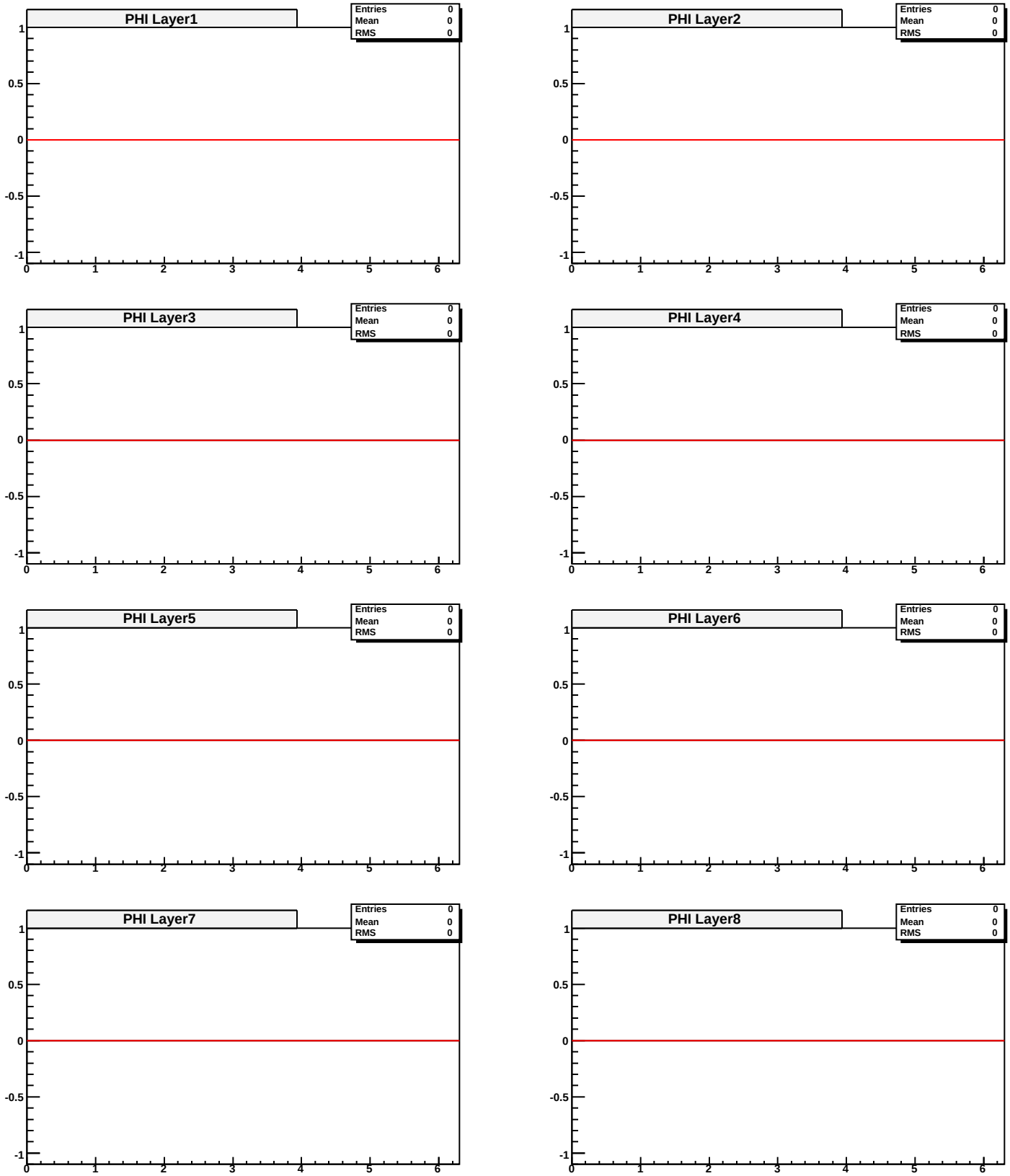
SmtClusters (HDiskClusters)



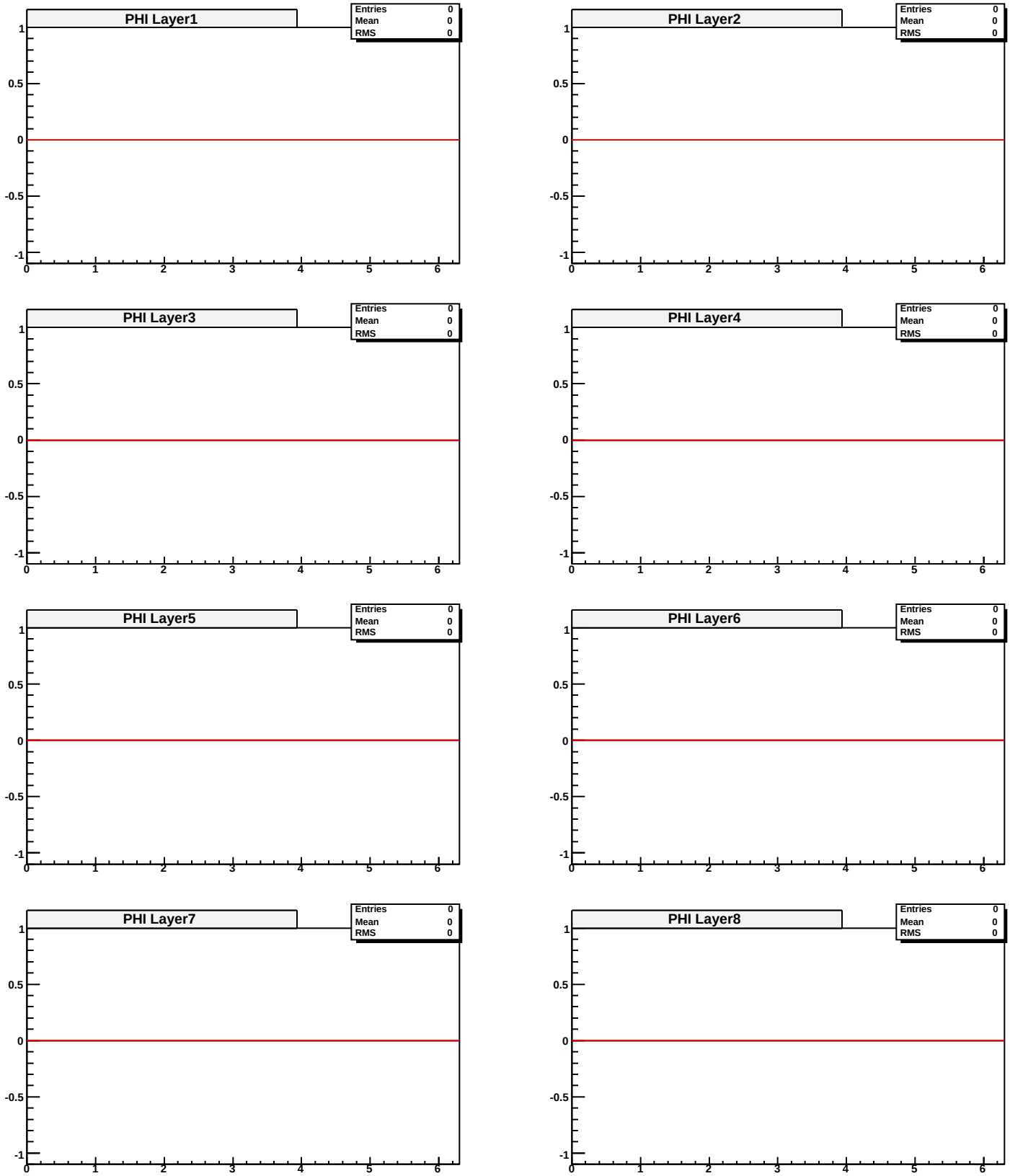
SmtClusters (allBarTClusters)


PHI FDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allFDiskTClusters)

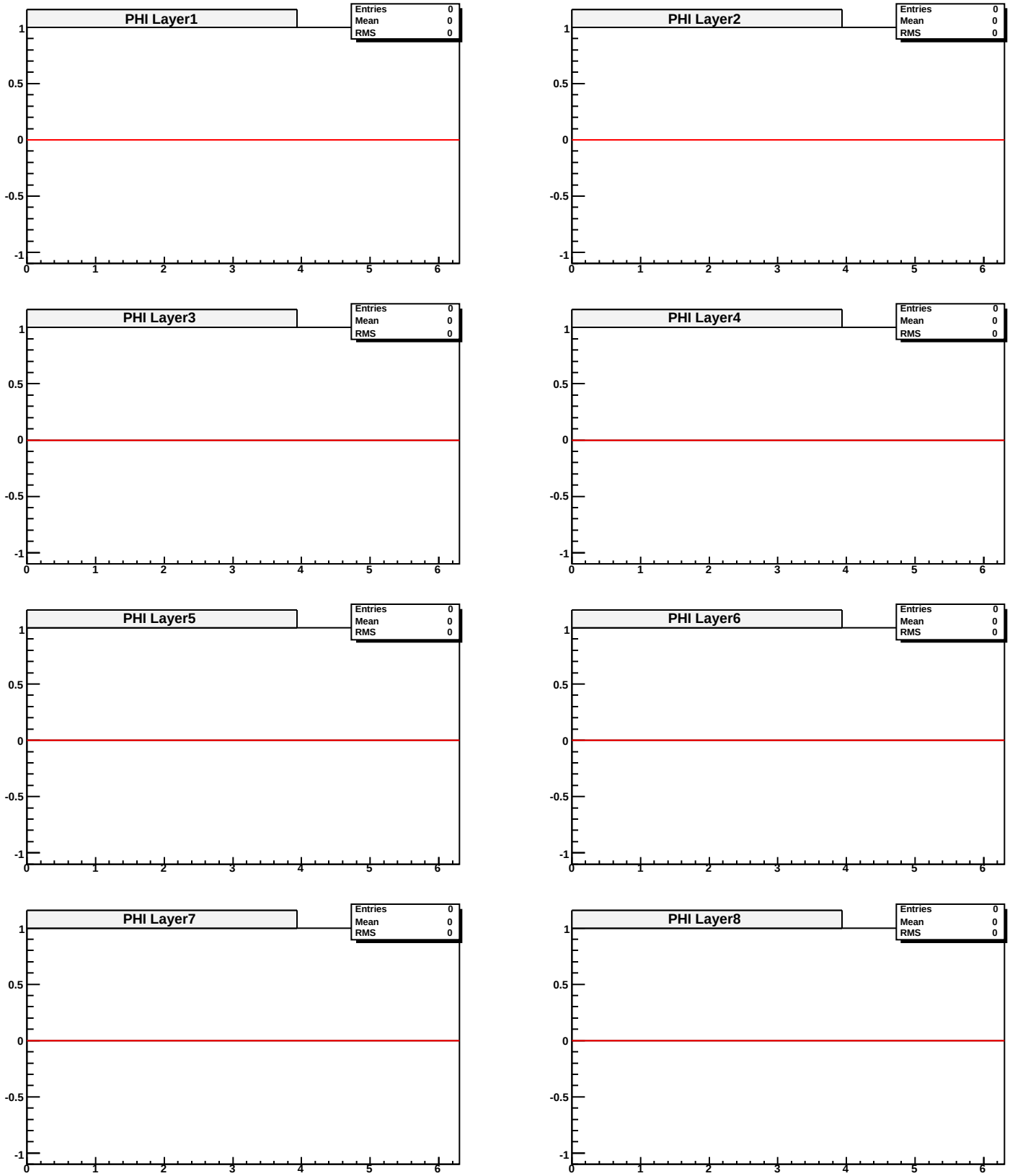

PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)



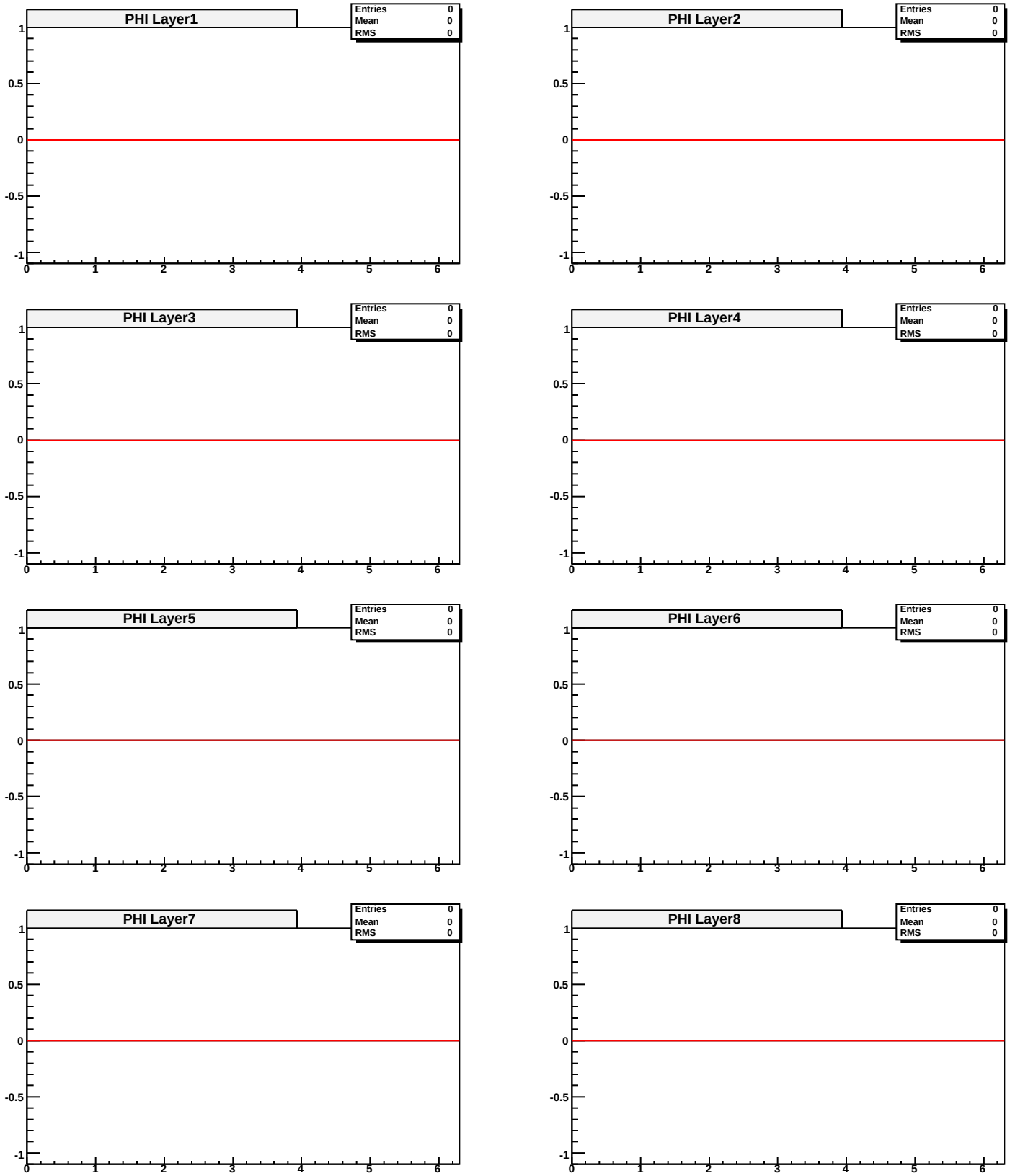
SmtClusters (TClustrBar1)



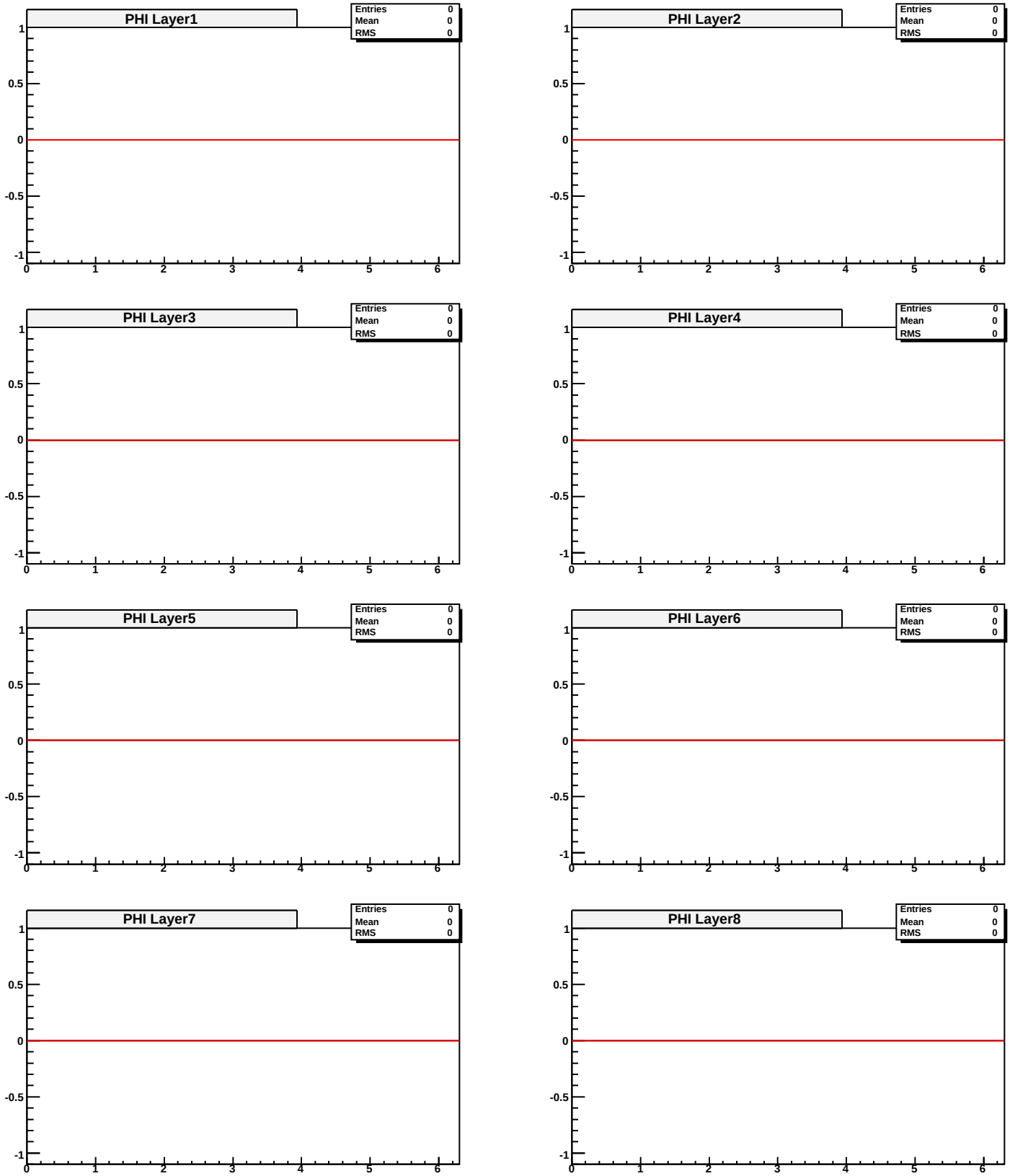
SmtClusters (TClustrBar2)



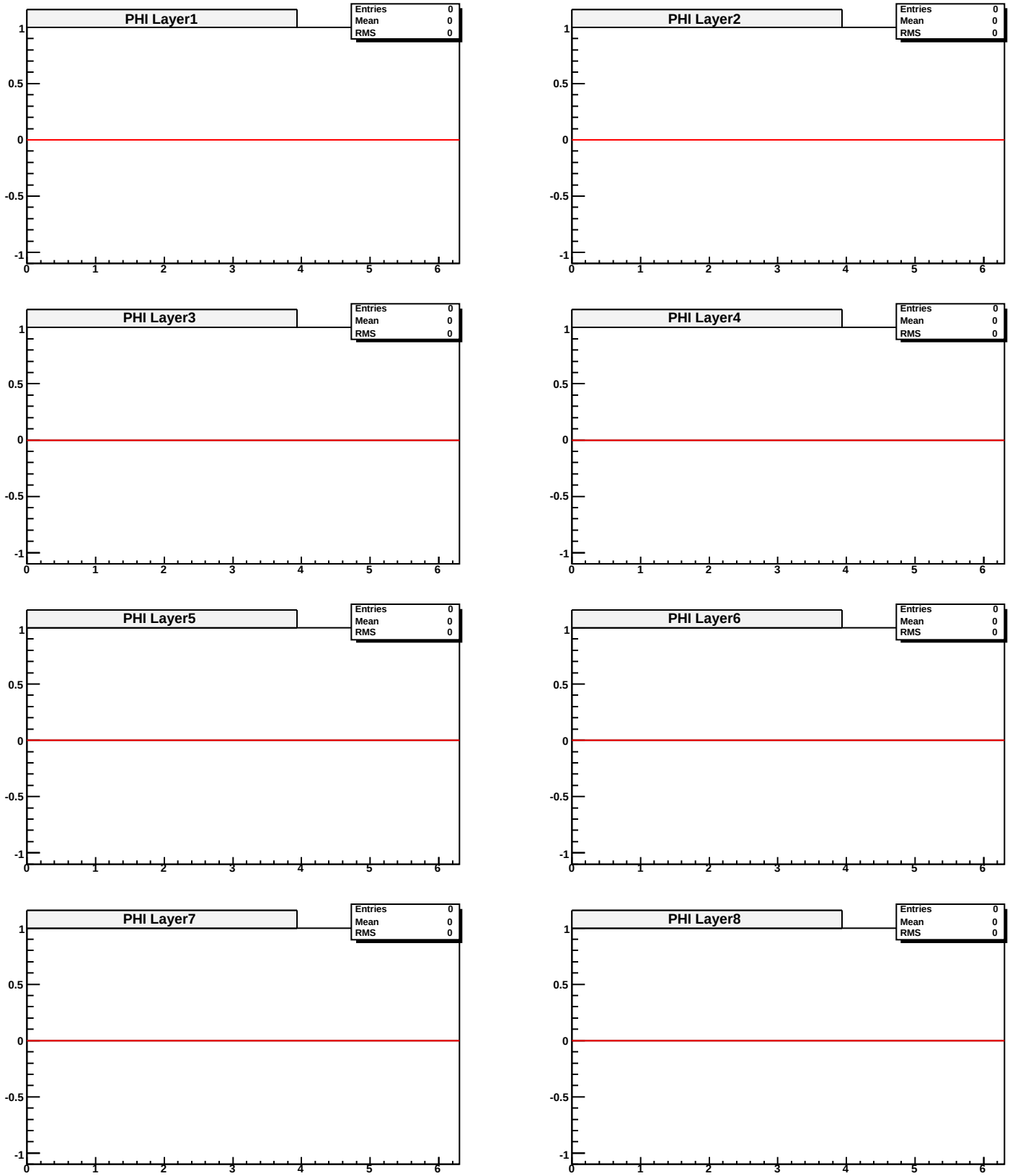
SmtClusters (TClustrBar3)



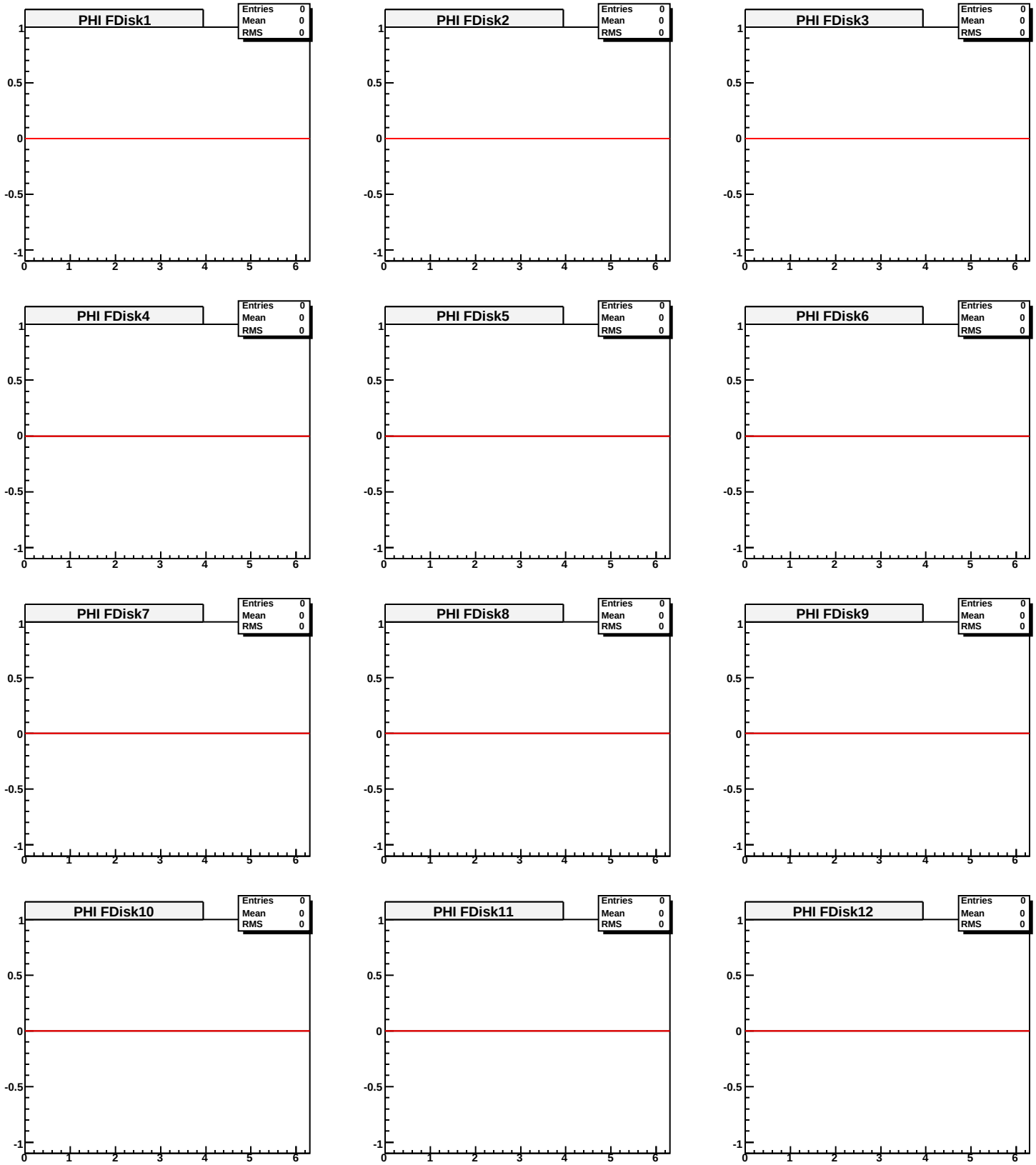
SmtClusters (TClustrBar4)



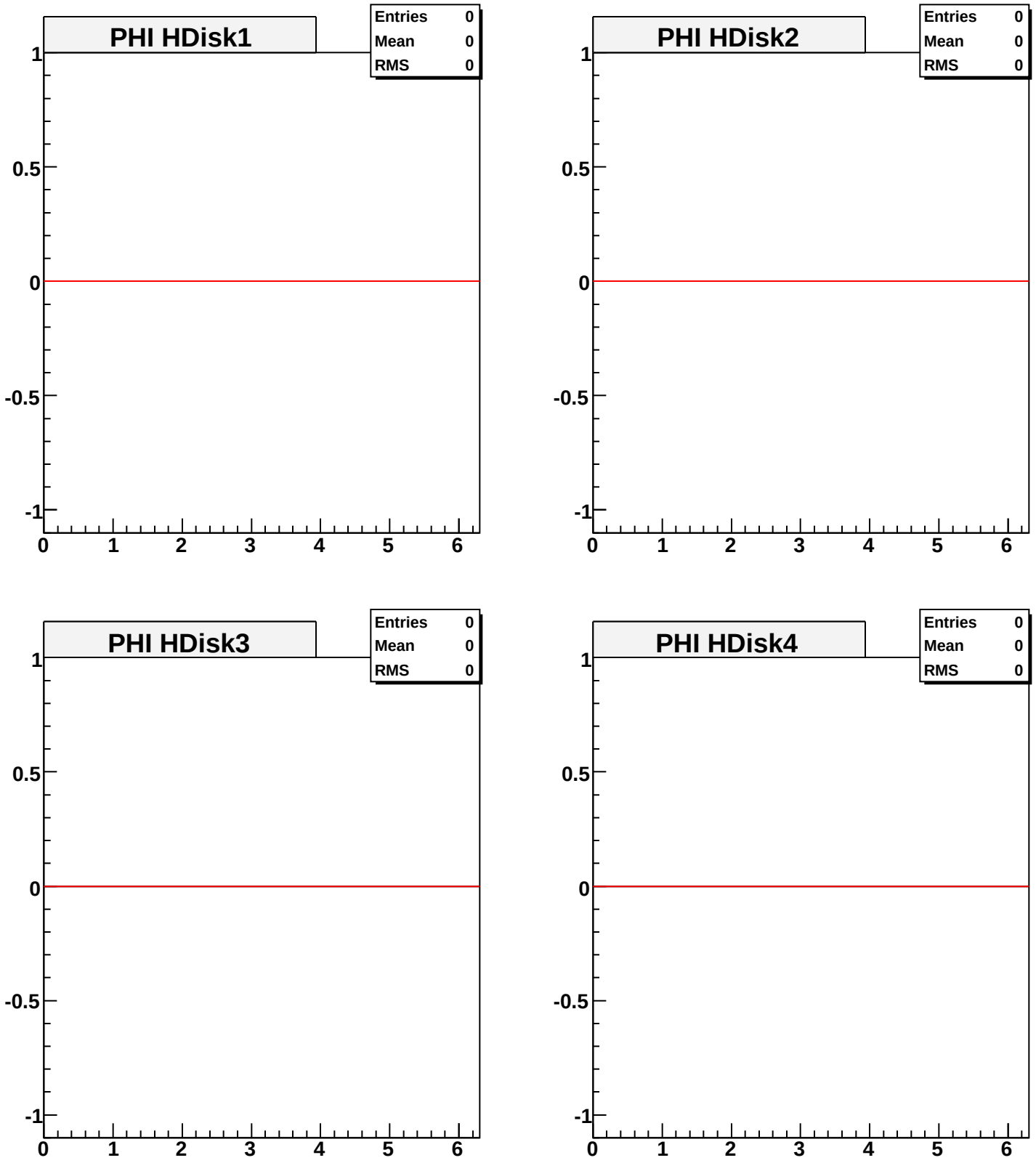
SmtClusters (TClustrBar5)



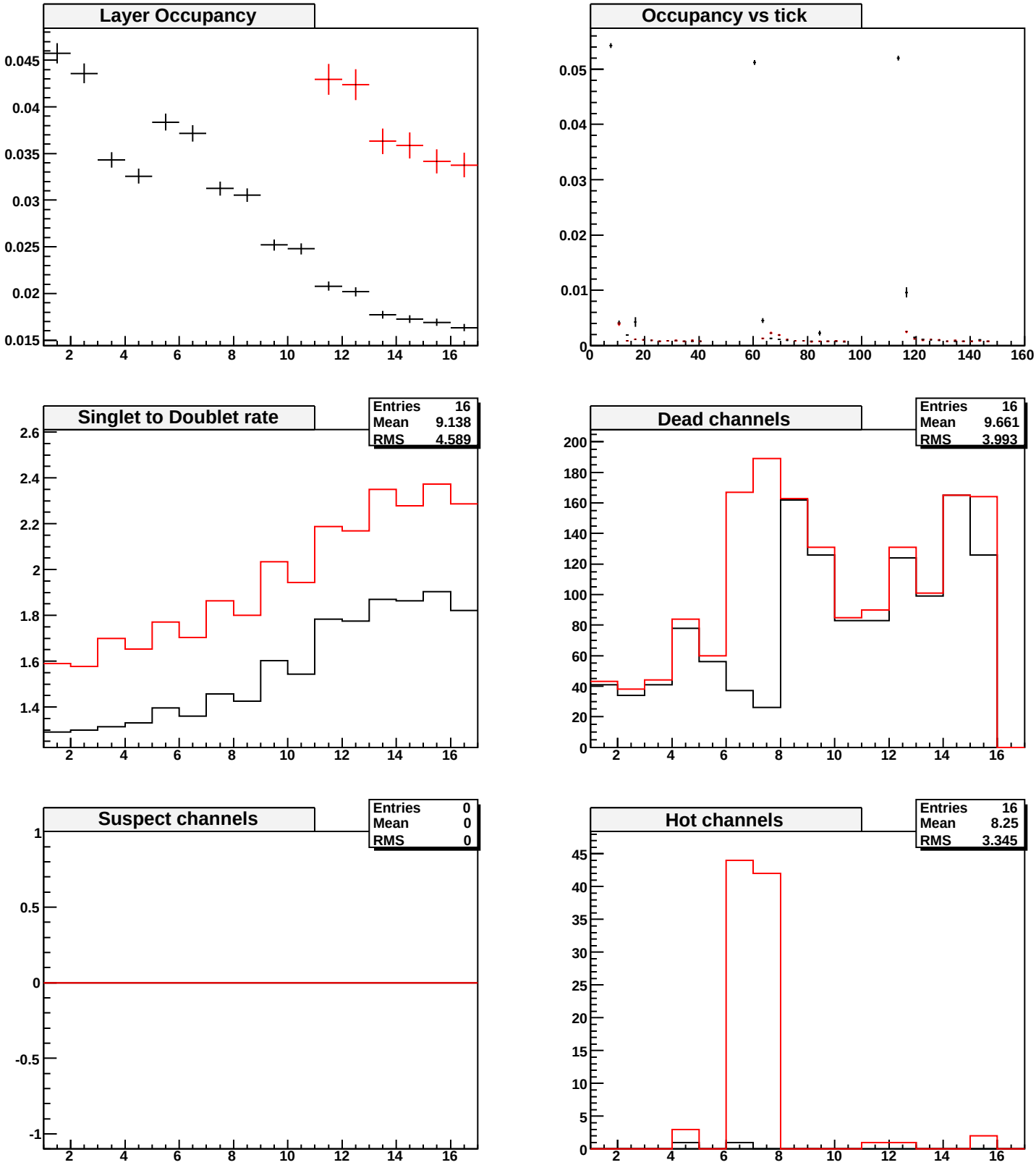
SmtClusters (TClustrBar6)



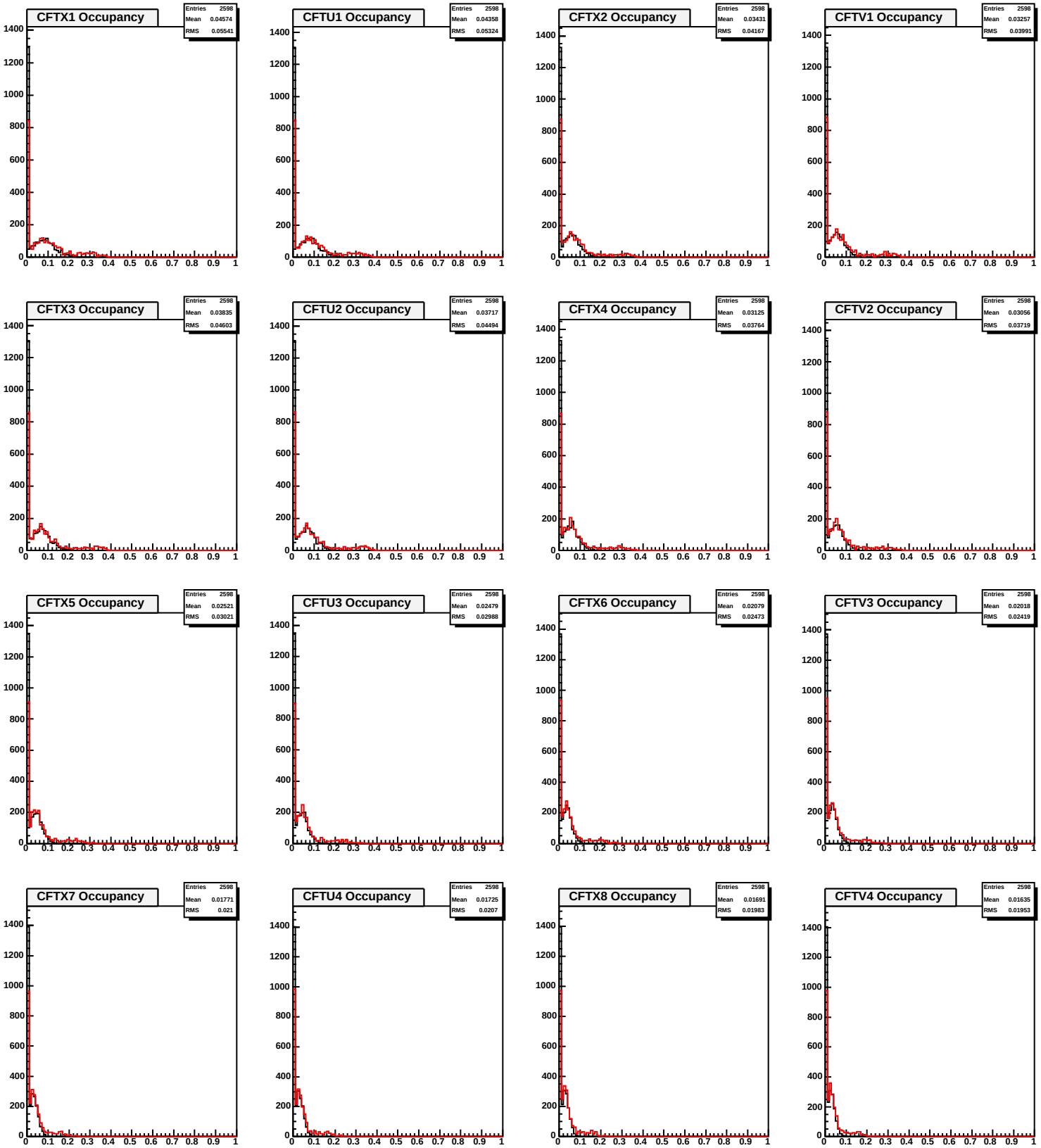
SmtClusters (FDiskTClusters)



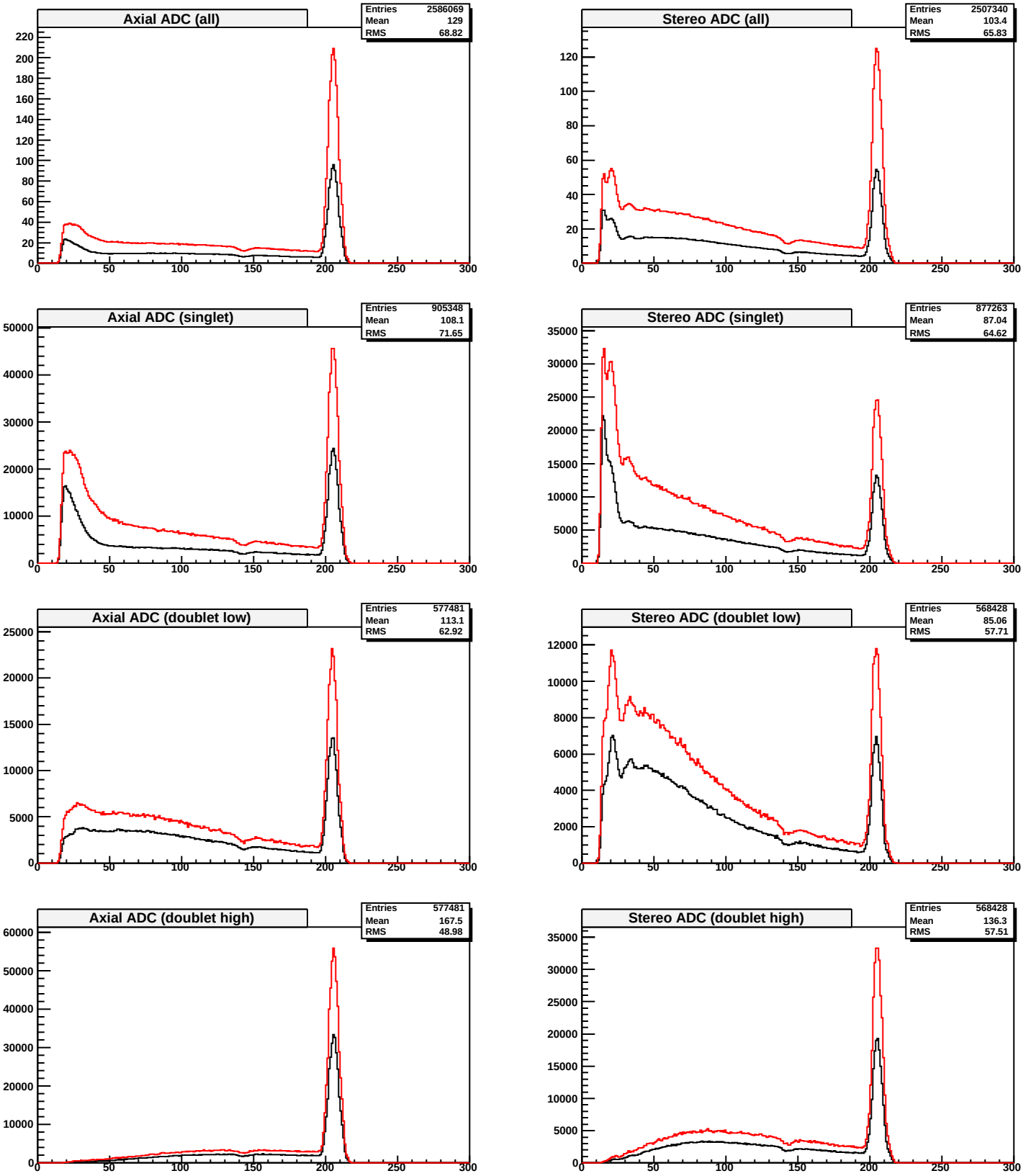
SmtClusters (HDiskTClusters)



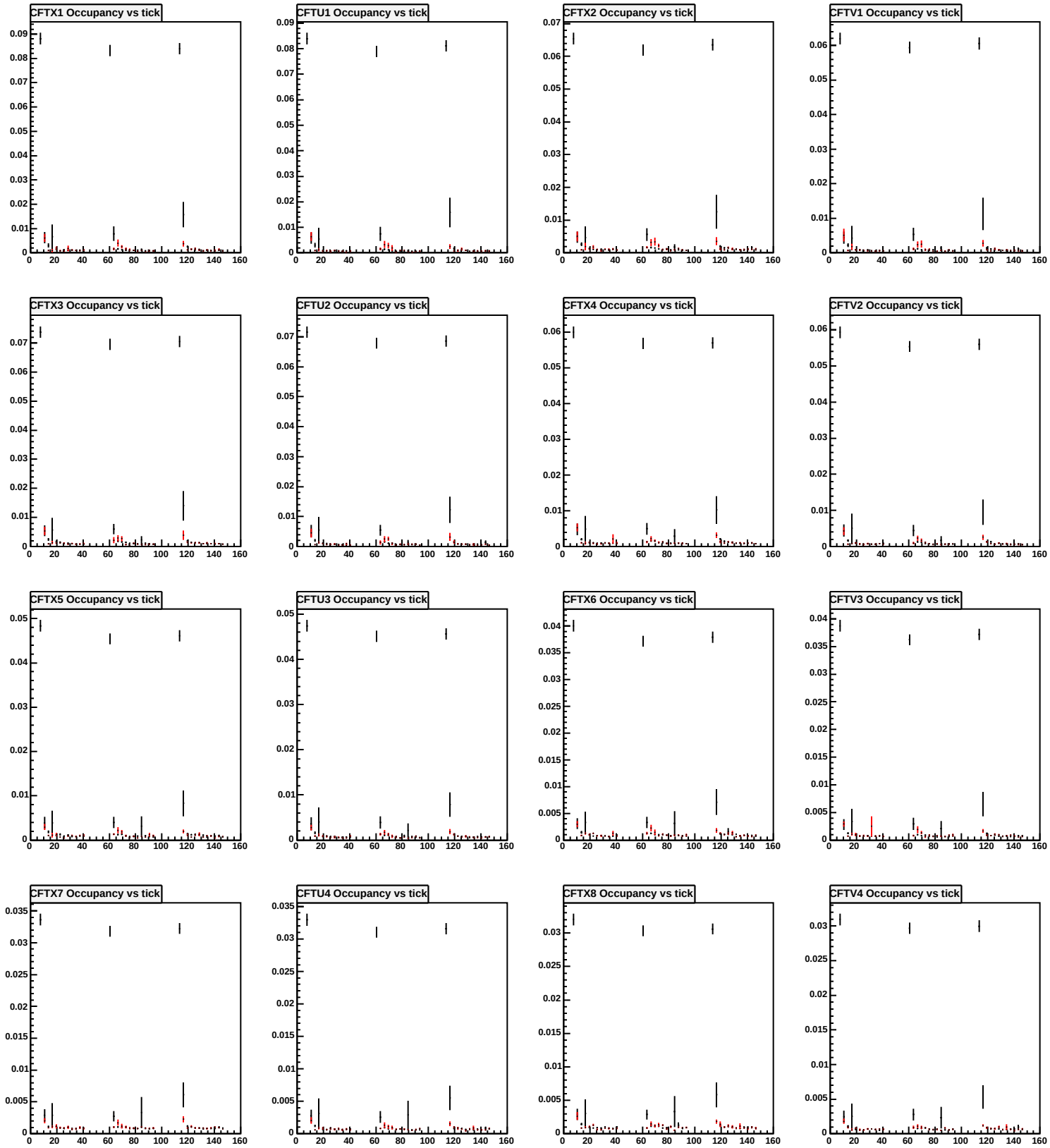
CFT Summary (All Clusters)



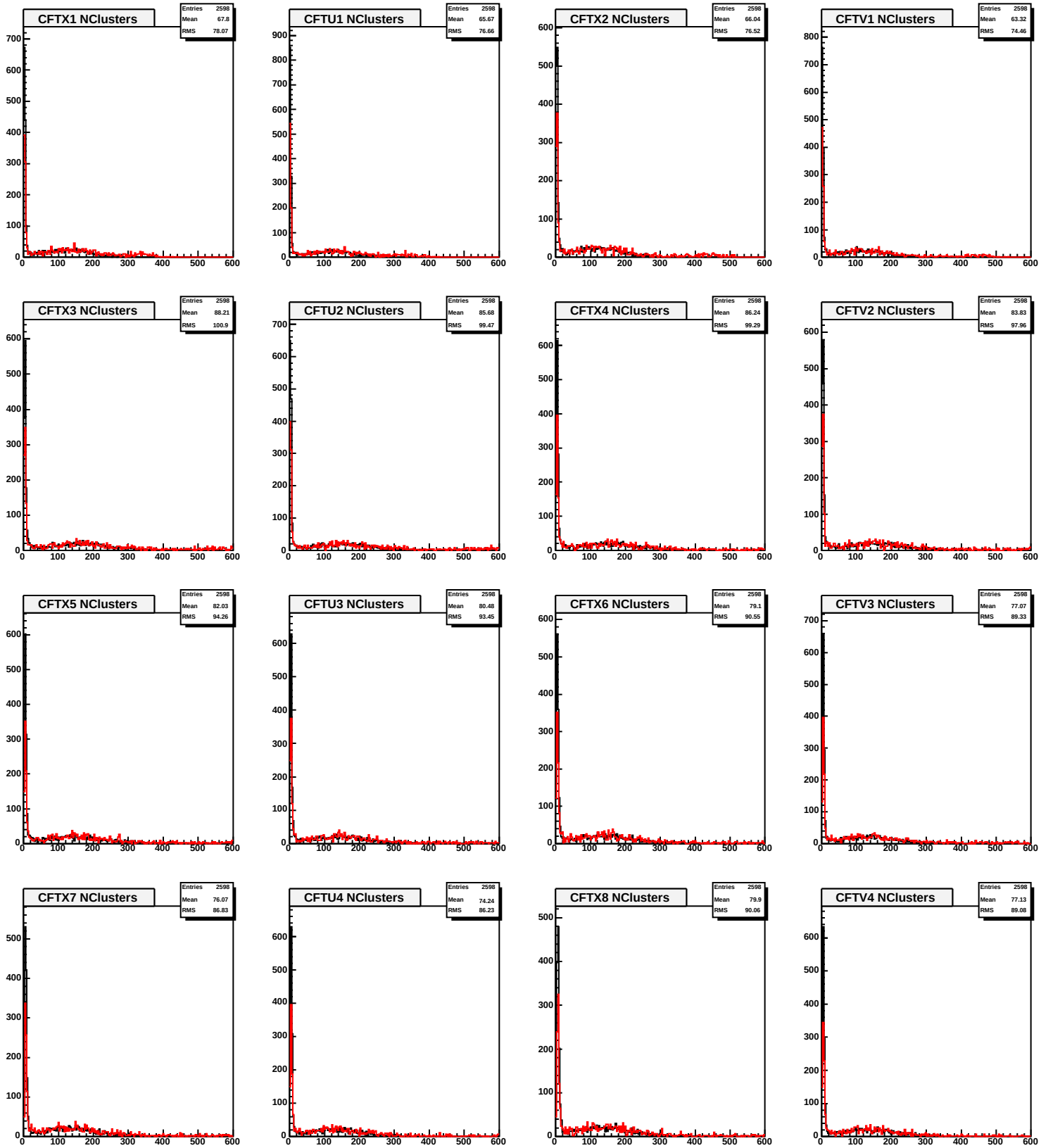
CFT Occupancy (All Clusters)



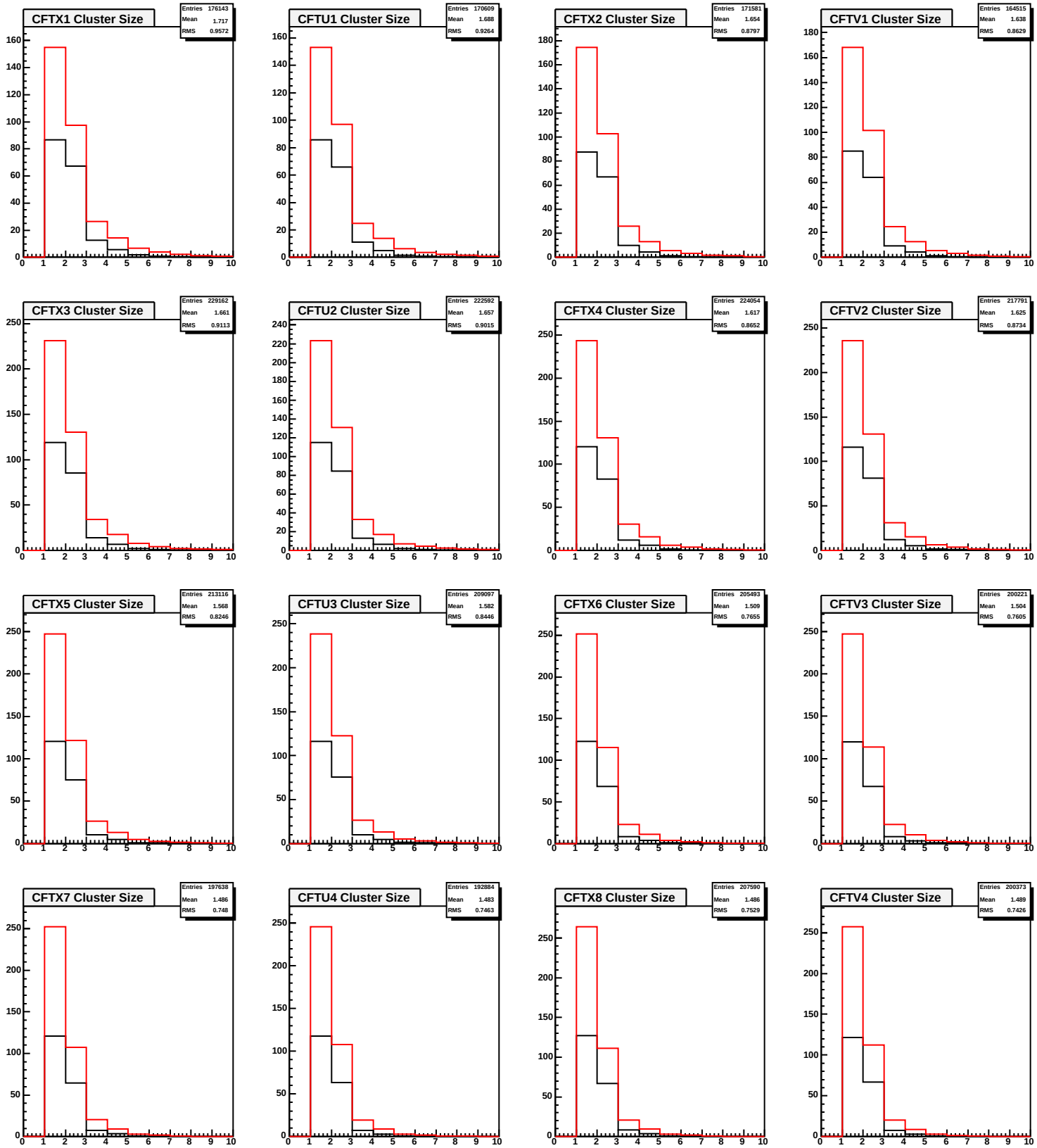
CFT ADC Summary (All Clusters)



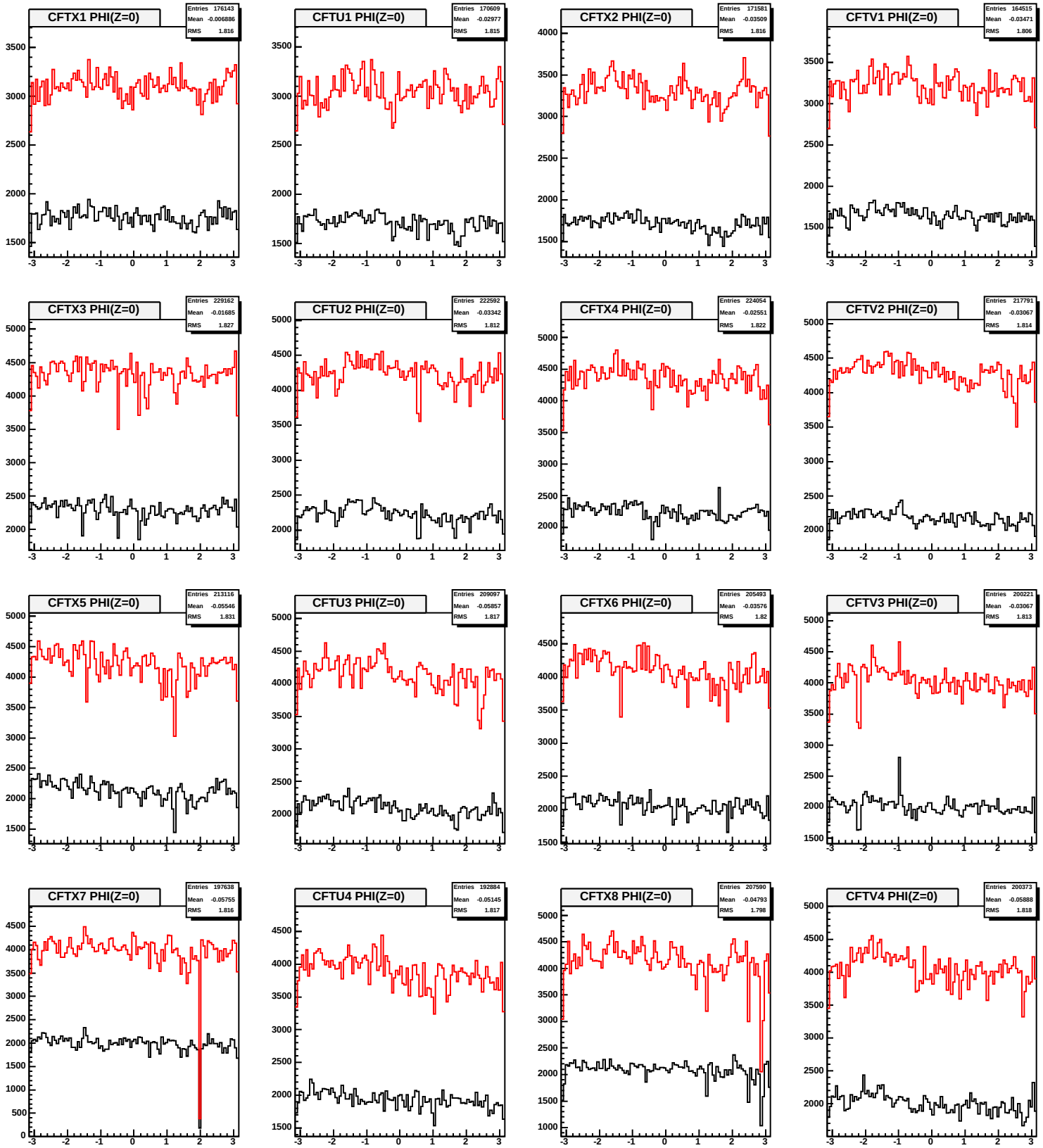
CFT Occupancy vs Tick (All Clusters)



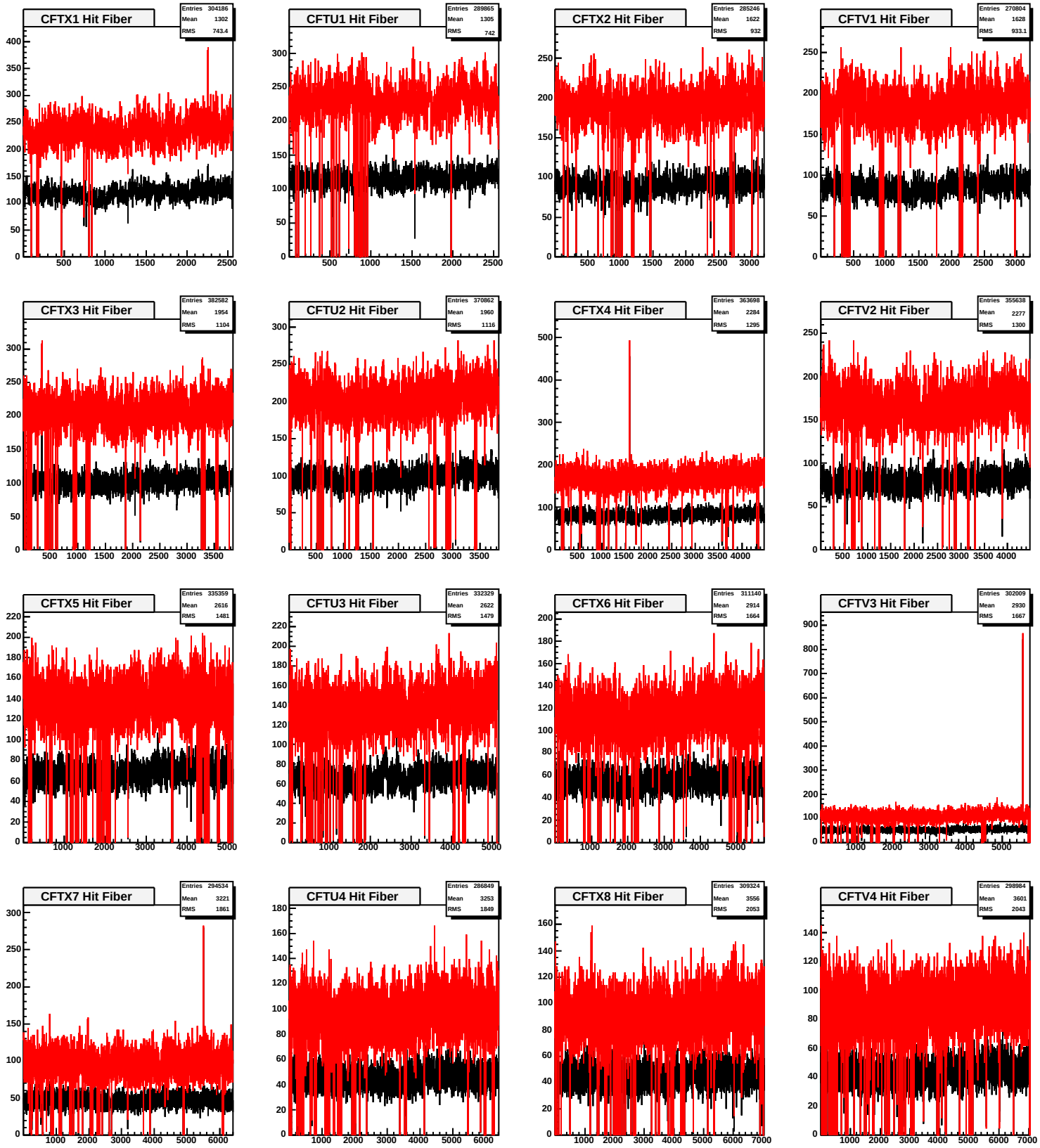
CFT NClusters (All Clusters)



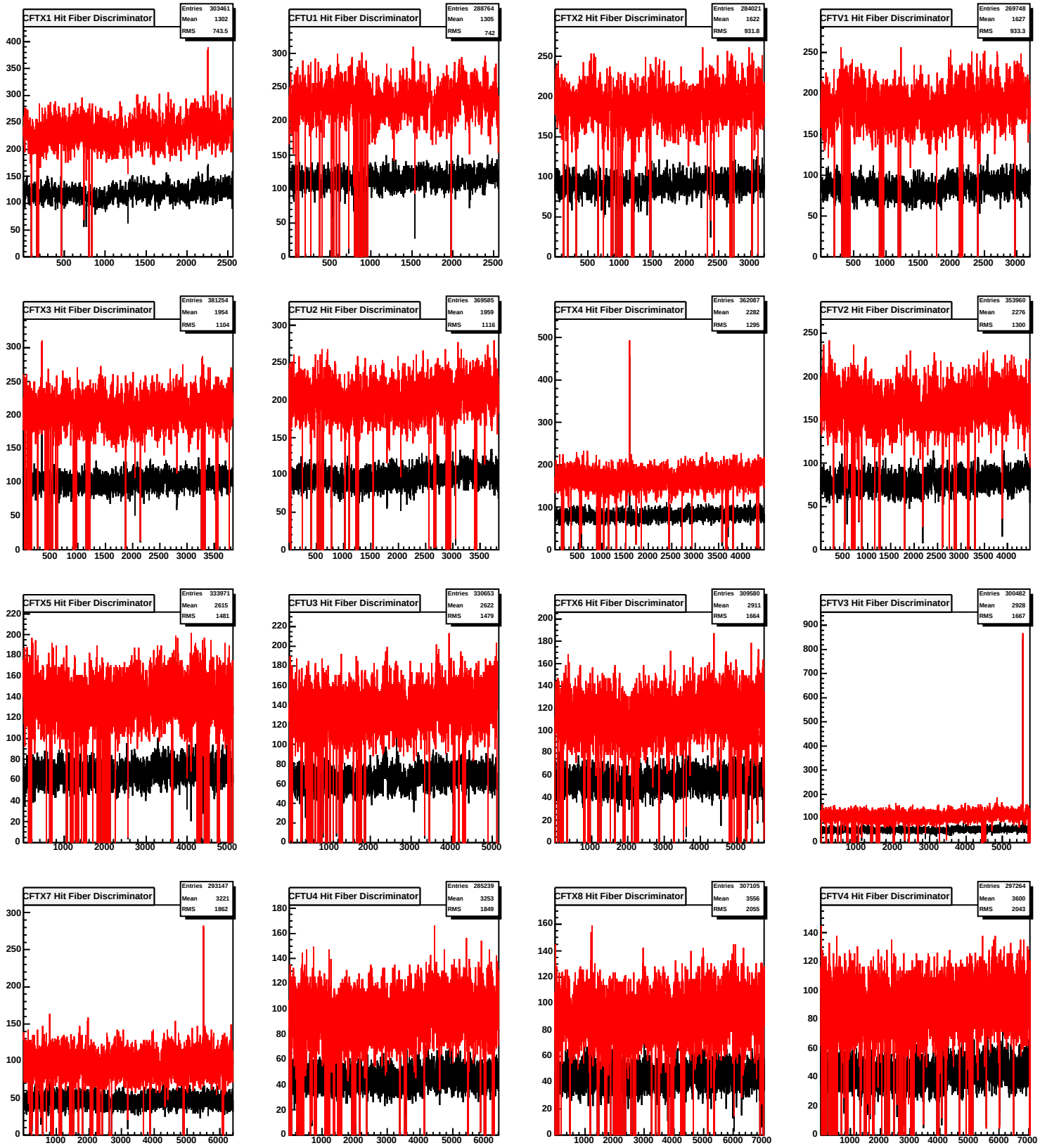
CFT Cluster Size (All Clusters)



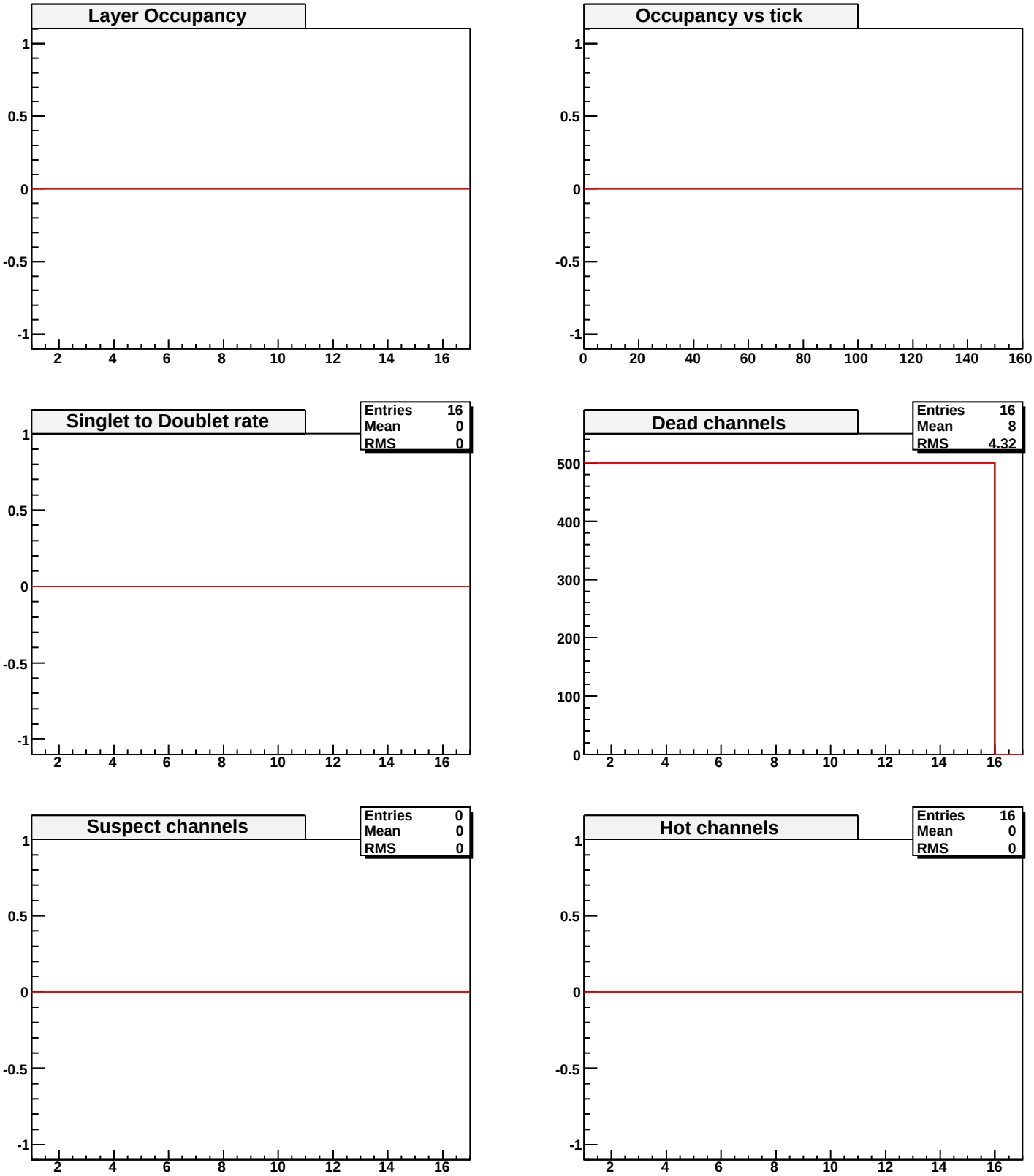
CFT PHI(Z=0) (All Clusters)



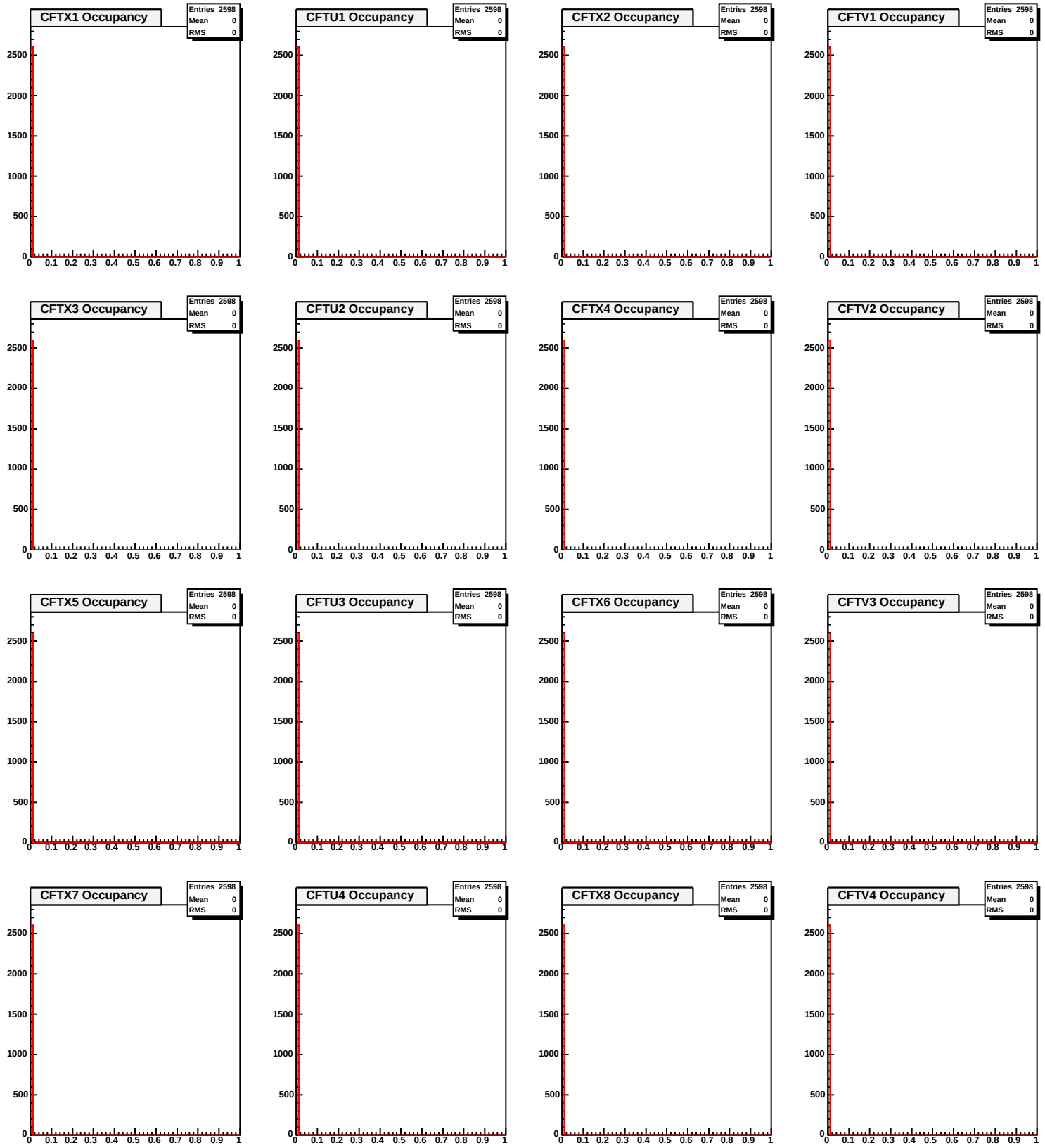
CFT Hit Fiber (All Clusters)



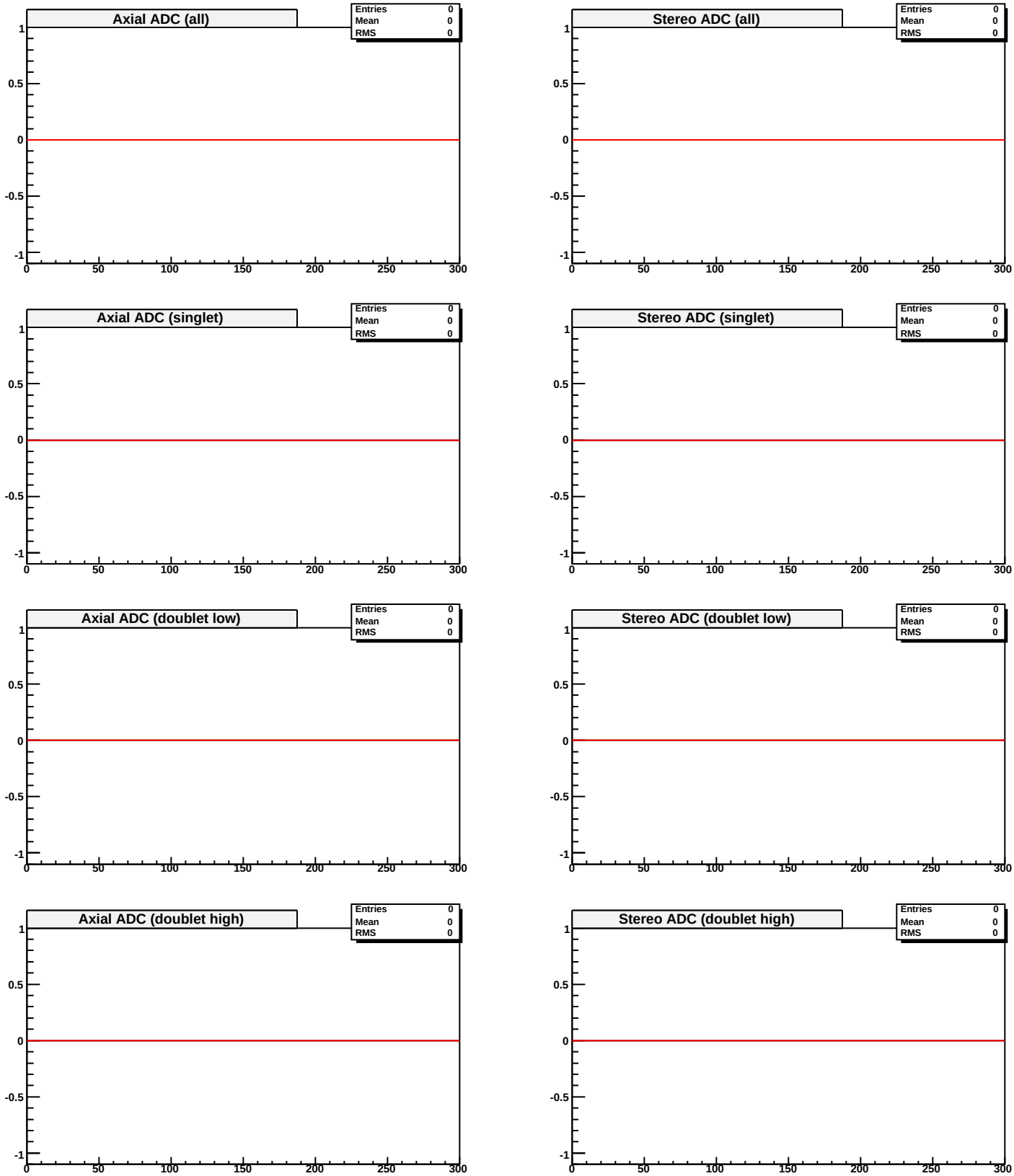
CFT Hit Fiber Discriminator (All Clusters)



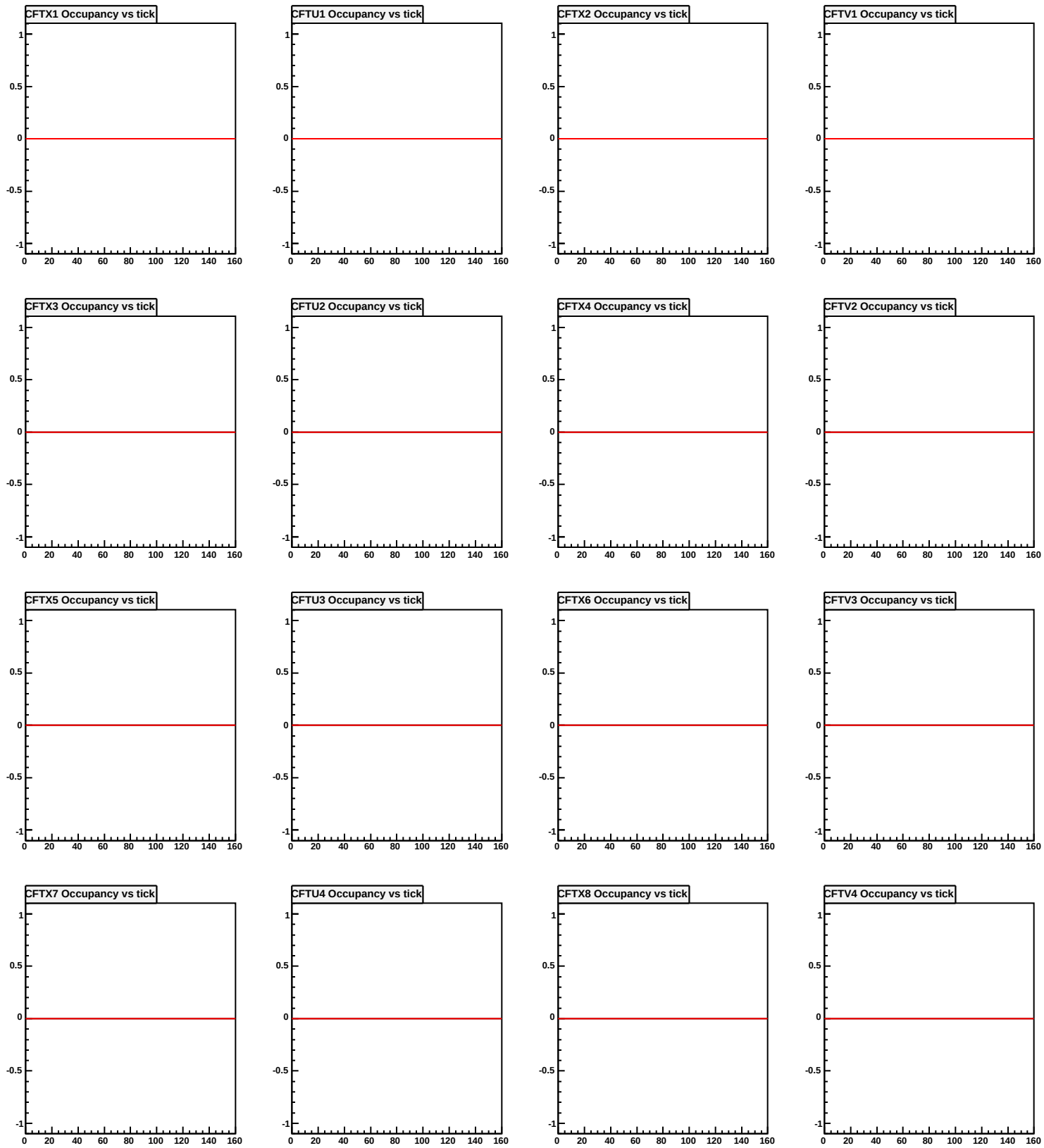
CFT Summary (Clusters on tracks)



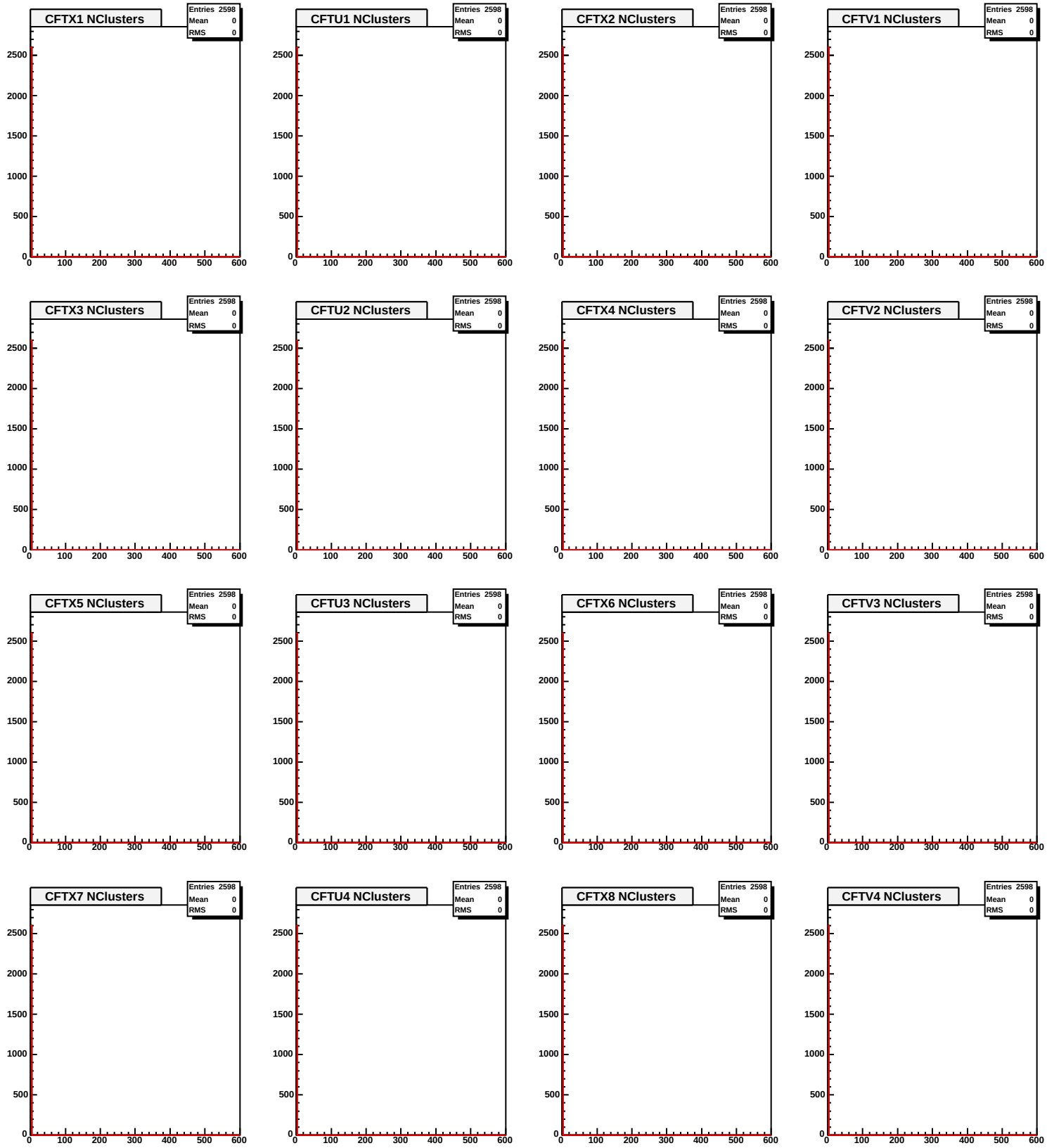
CFT Occupancy (Clusters on tracks)



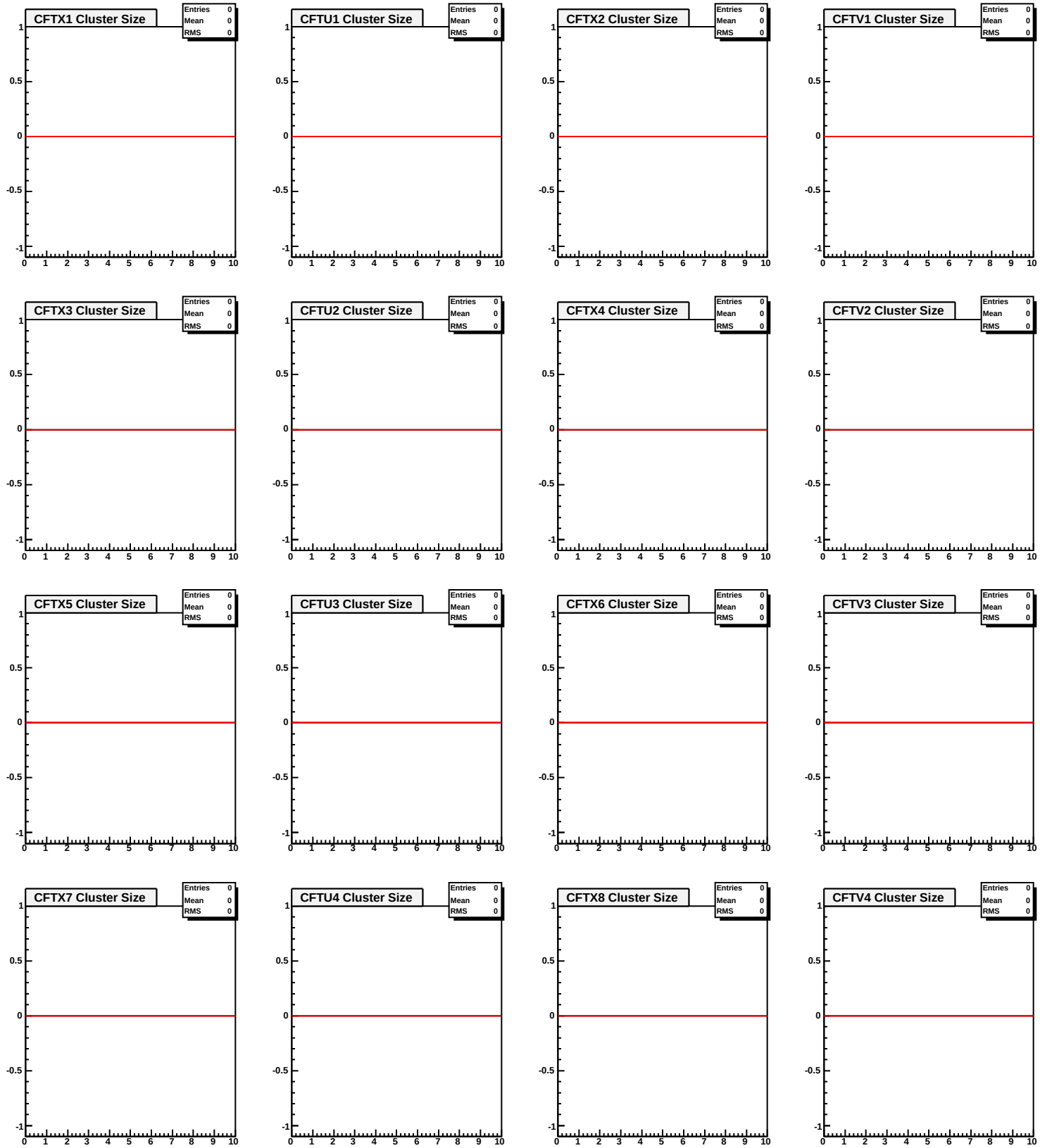
CFT ADC Summary (Clusters on tracks)



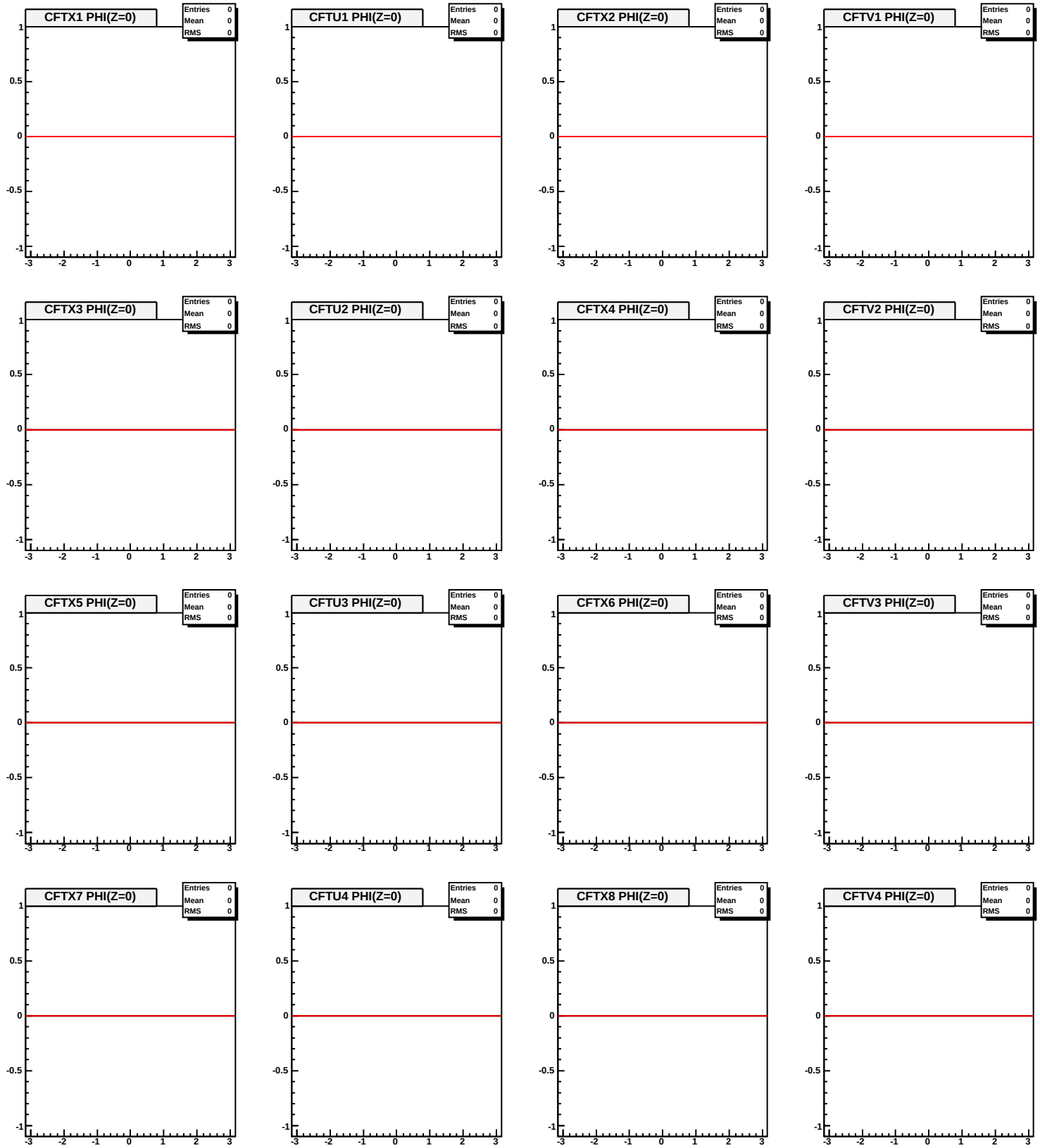
CFT Occupancy vs Tick (Clusters on tracks)



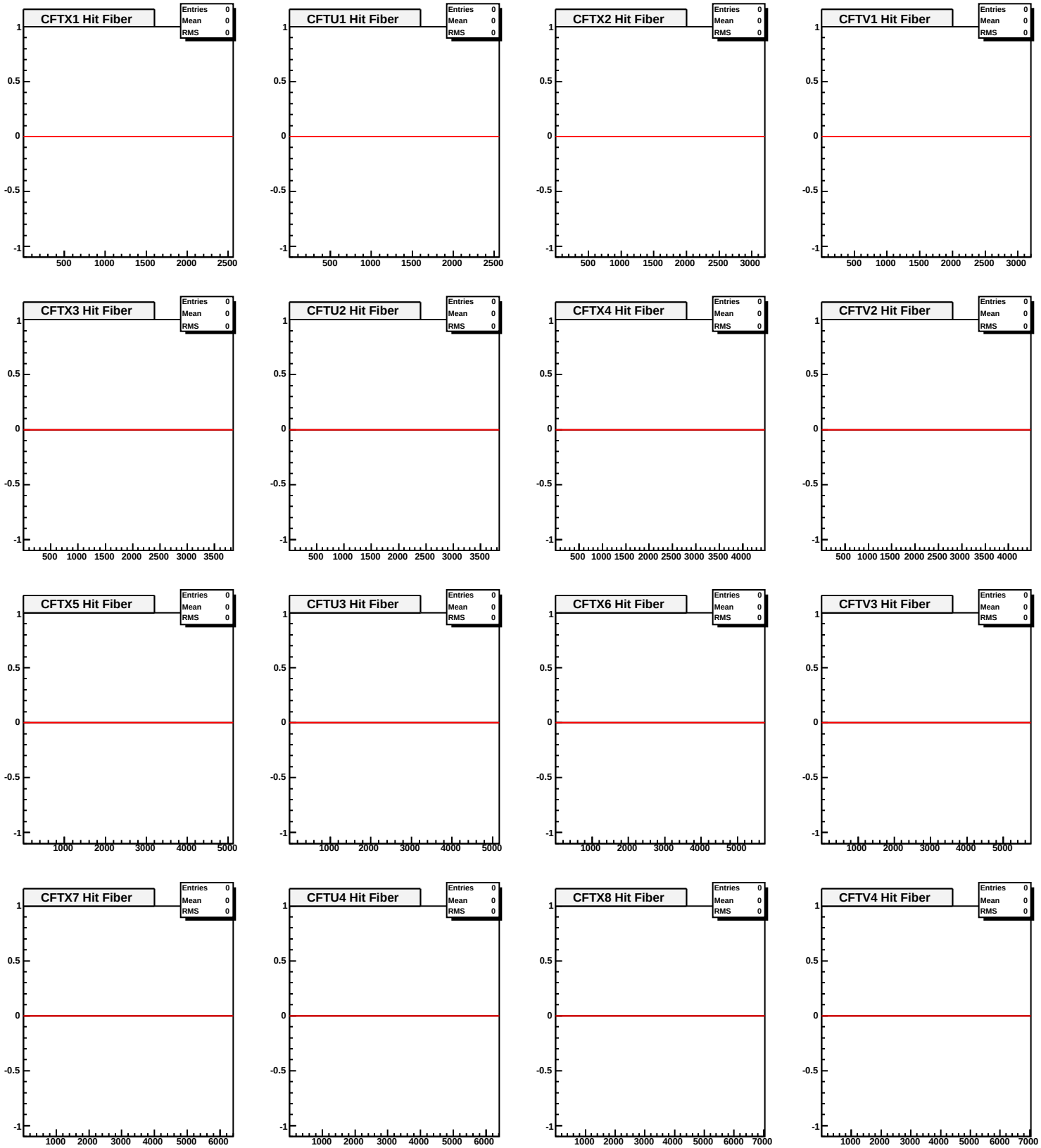
CFT NClusters (Clusters on tracks)



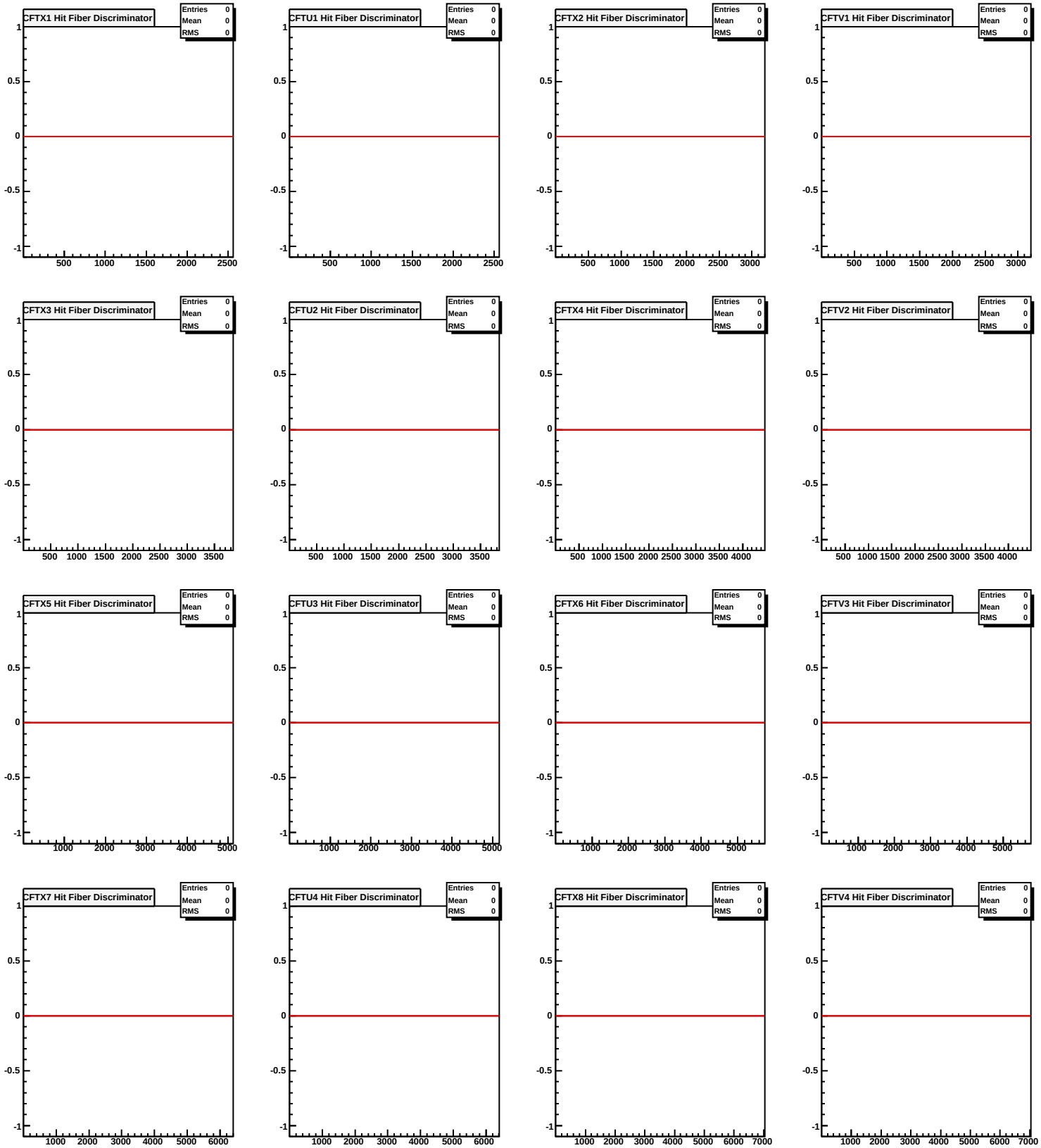
CFT Cluster Size (Clusters on tracks)



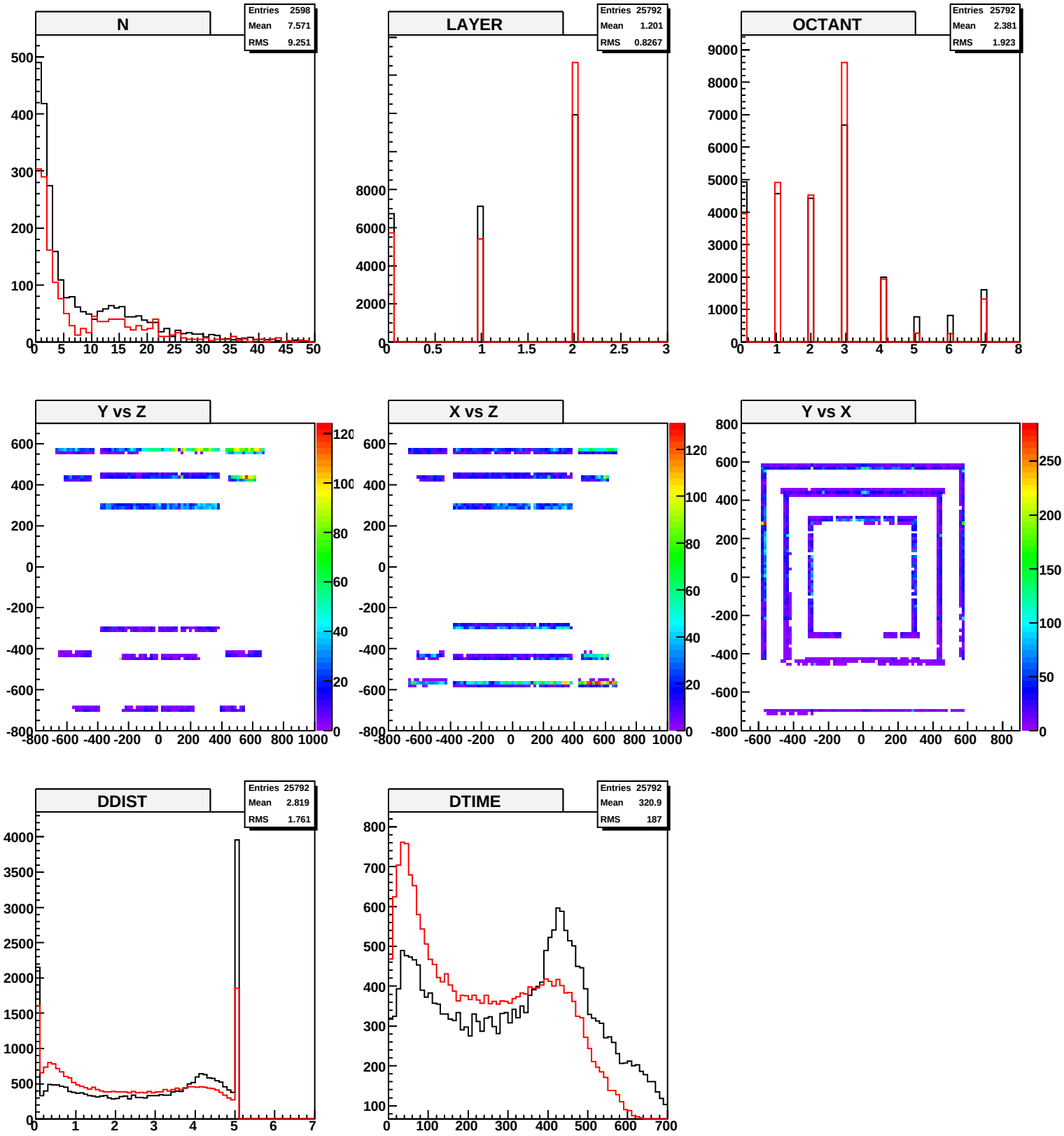
CFT PHI(Z=0) (Clusters on tracks)



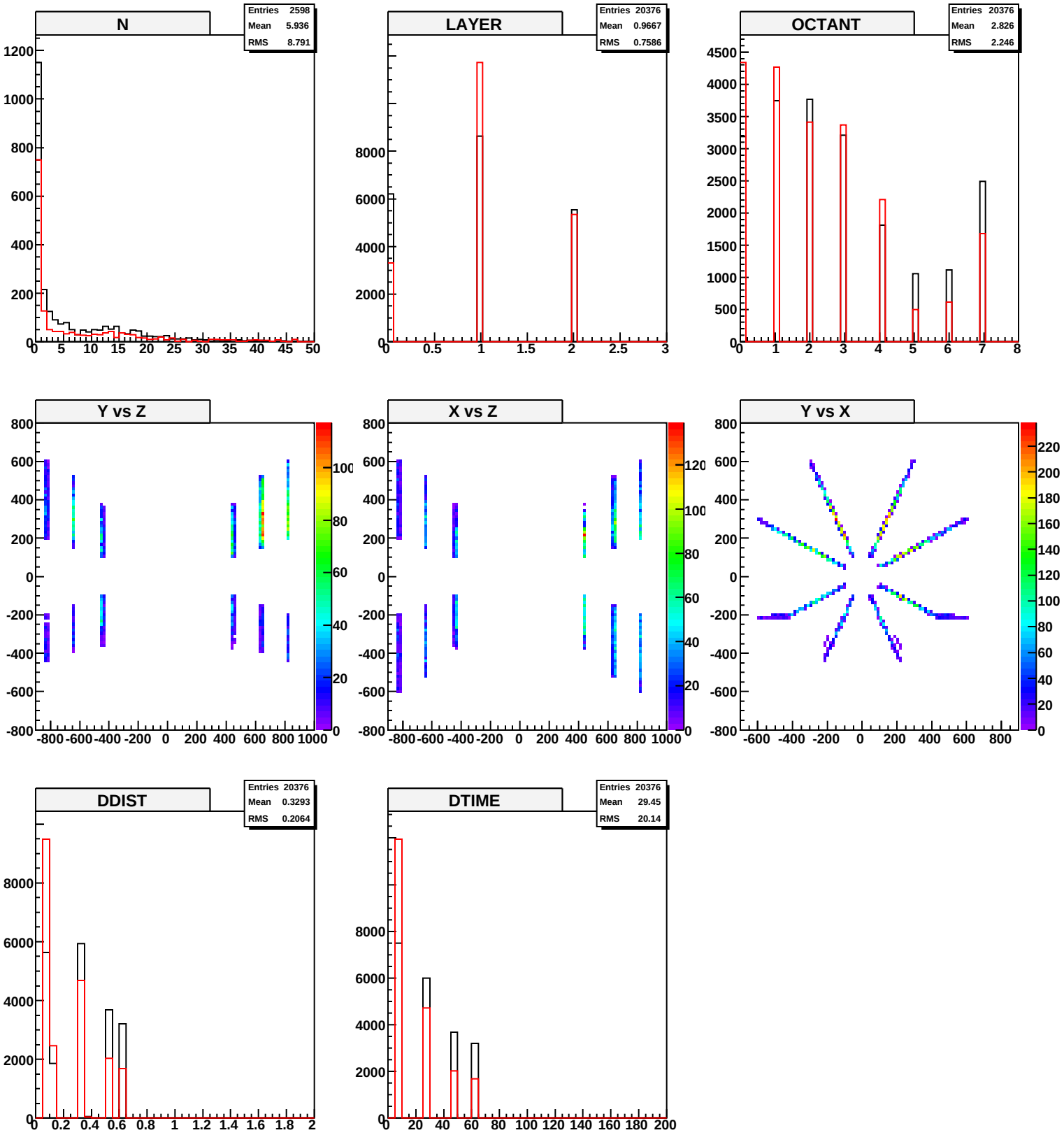
CFT Hit Fiber (Clusters on tracks)



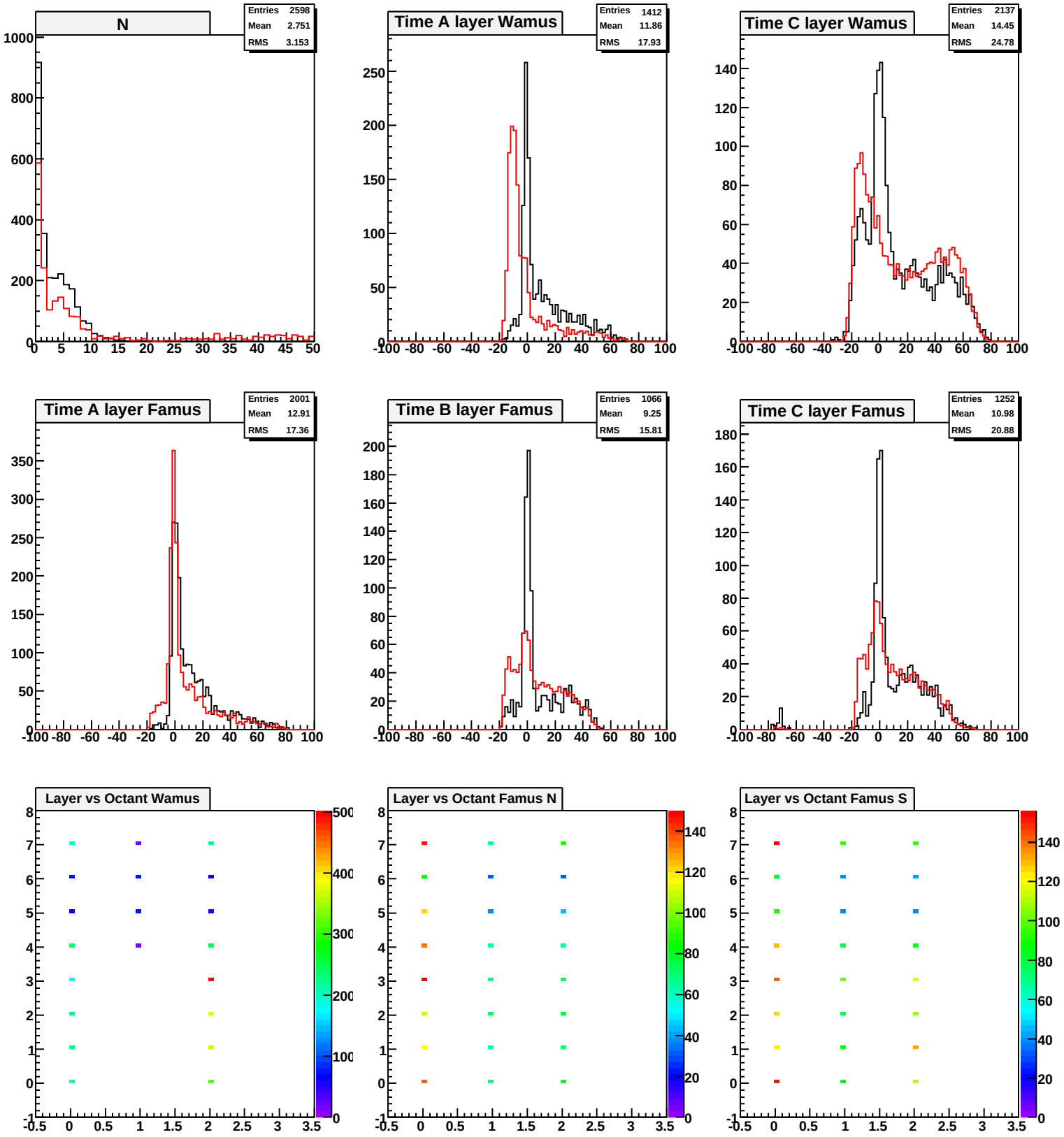
CFT Hit Fiber Discriminator (Clusters on tracks)


N
Entries 2598
Mean 7.571
RMS 9.251
LAYER
Entries 25792
Mean 1.201
RMS 0.8267
OCTANT
Entries 25792
Mean 2.381
RMS 1.923
Y vs Z
X vs Z
Y vs X
DDIST
Entries 25792
Mean 2.819
RMS 1.761
DTIME
Entries 25792
Mean 320.9
RMS 187

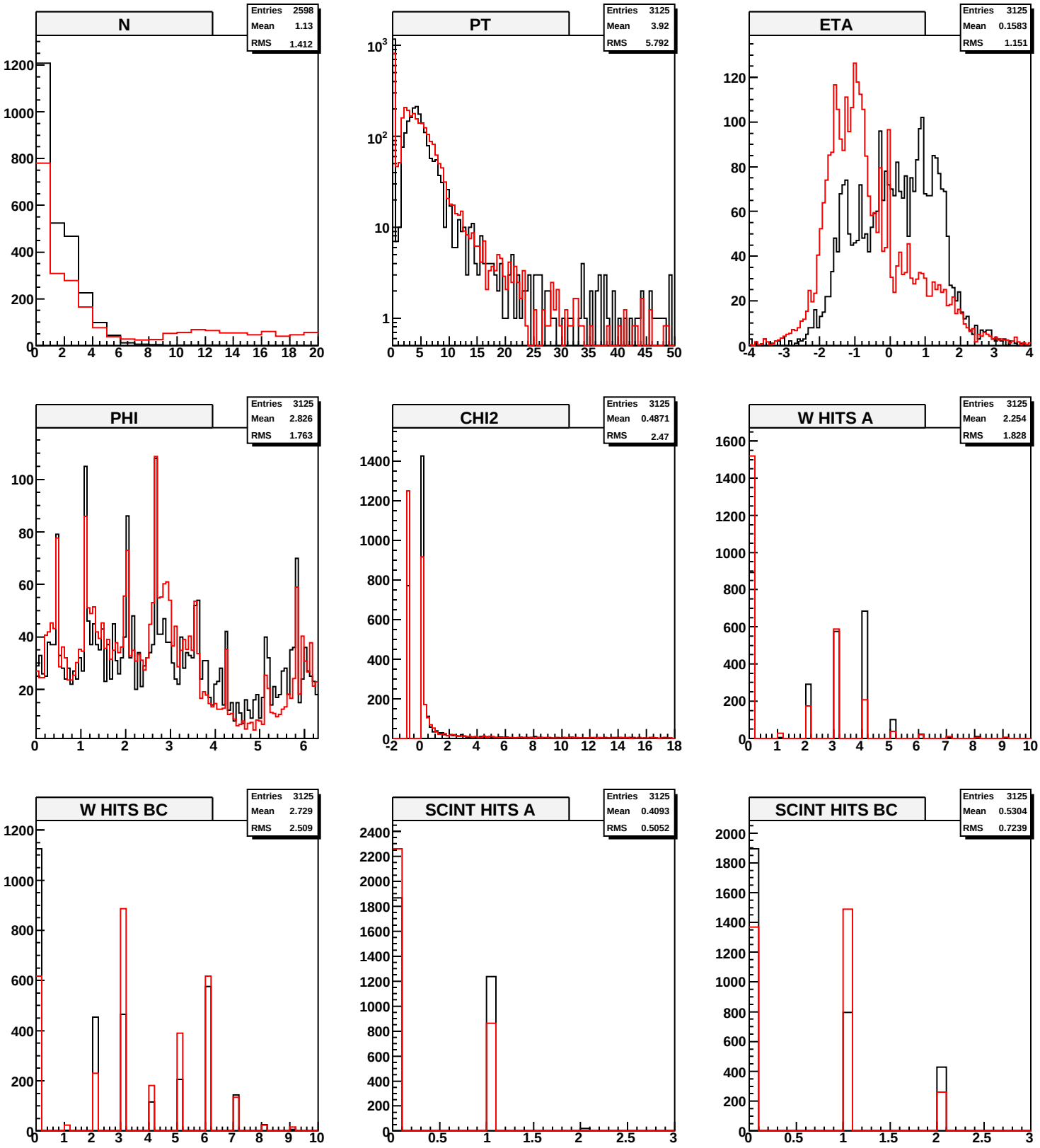
MuonPDT (All)


N
Entries 2598
Mean 5.936
RMS 8.791
LAYER
Entries 20376
Mean 0.9667
RMS 0.7586
OCTANT
Entries 20376
Mean 2.826
RMS 2.246
Y vs Z
X vs Z
Y vs X
DDIST
Entries 20376
Mean 0.3293
RMS 0.2064
DTIME
Entries 20376
Mean 29.45
RMS 20.14

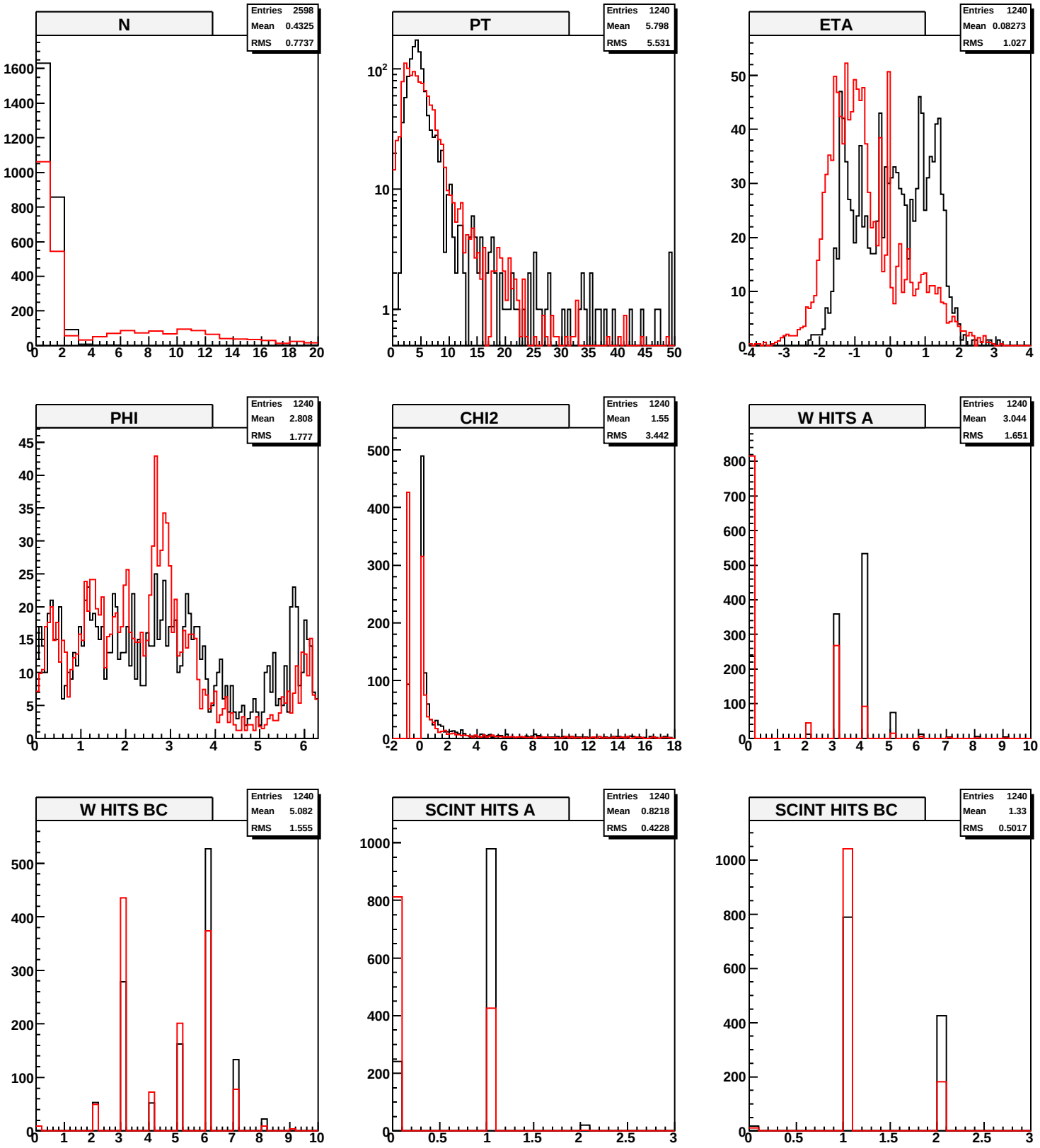
MuonMDT (All)


N
Entries 2598
Mean 2.751
RMS 3.153
Time A layer Wamus
Entries 1412
Mean 11.86
RMS 17.93
Time C layer Wamus
Entries 2137
Mean 14.45
RMS 24.78
Time A layer Famus
Entries 2001
Mean 12.91
RMS 17.36
Time B layer Famus
Entries 1066
Mean 9.25
RMS 15.81
Time C layer Famus
Entries 1252
Mean 10.98
RMS 20.88
Layer vs Octant Wamus
Layer vs Octant Famus N
Layer vs Octant Famus S

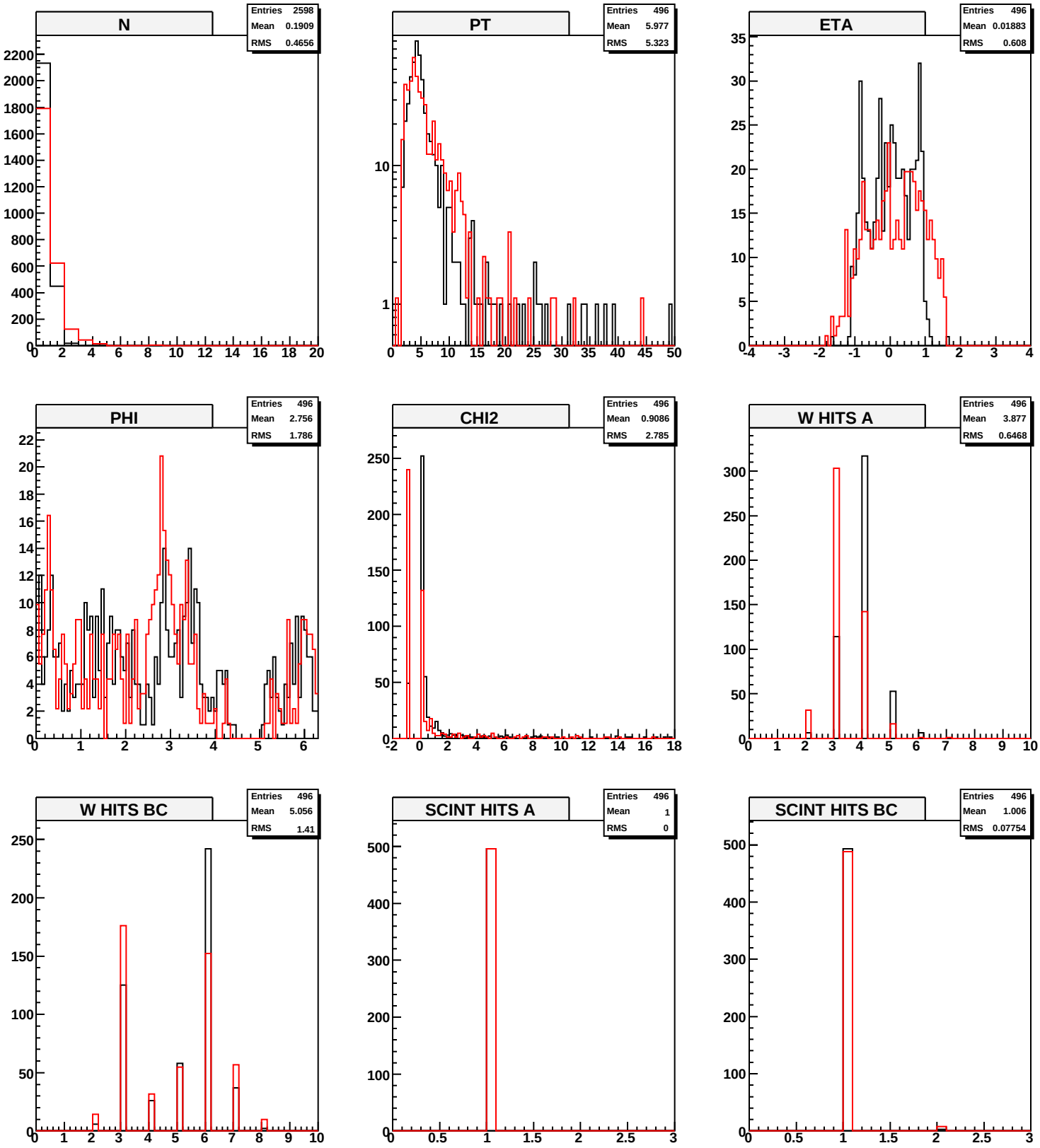
MuonMSC (All)



Muon Local Tracks (All)



Muon Local Tracks (LooseWamus)



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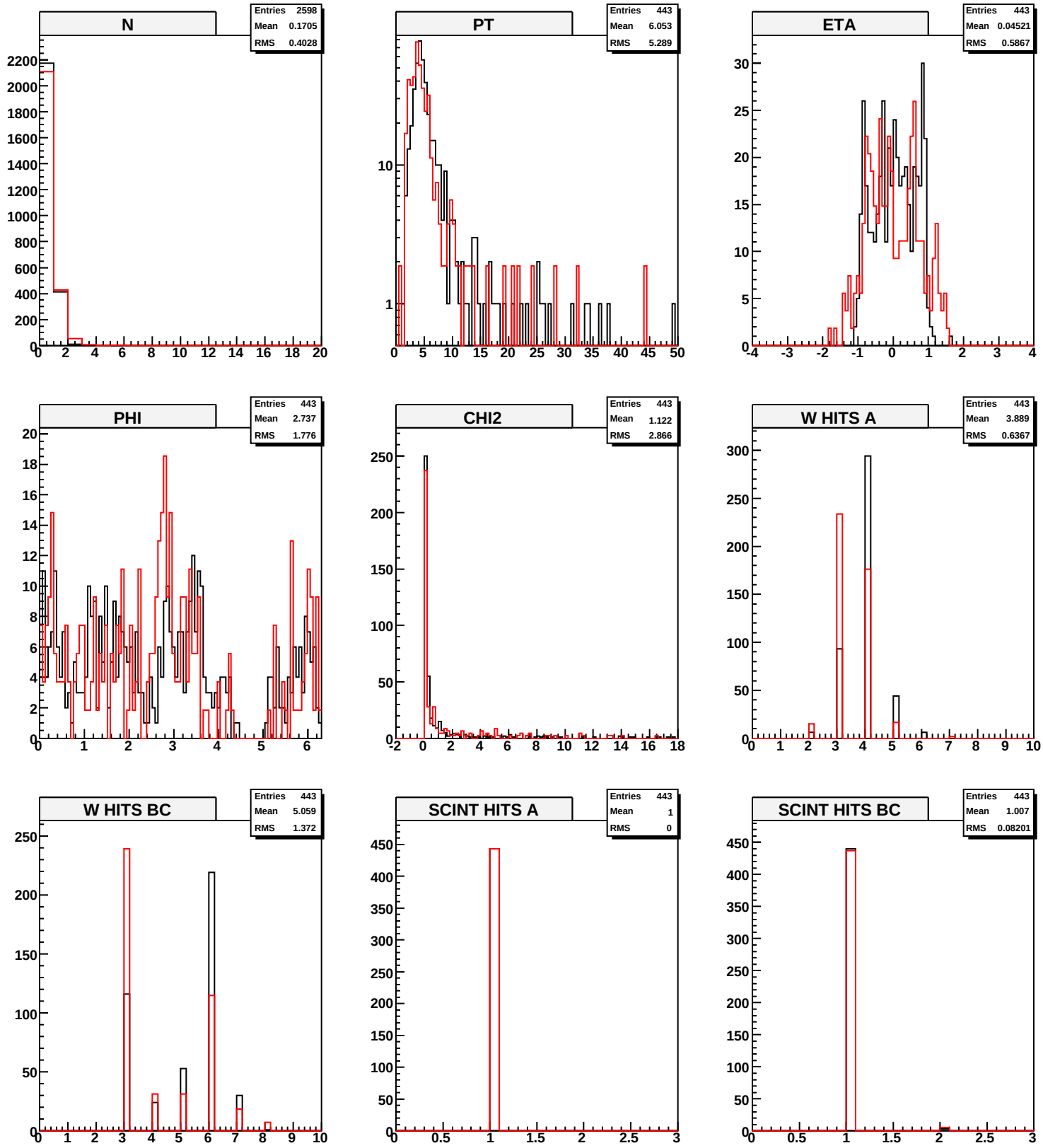

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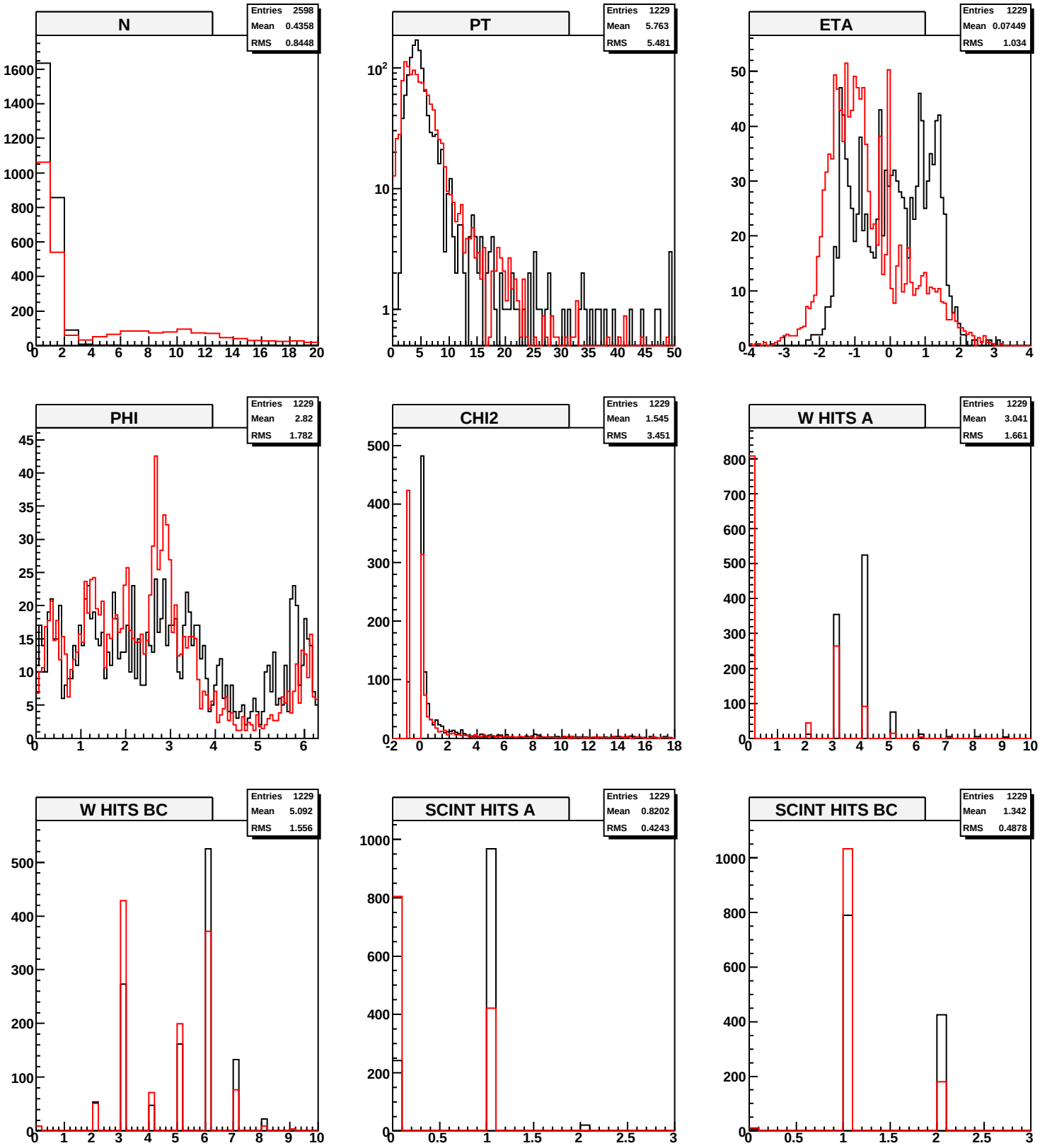

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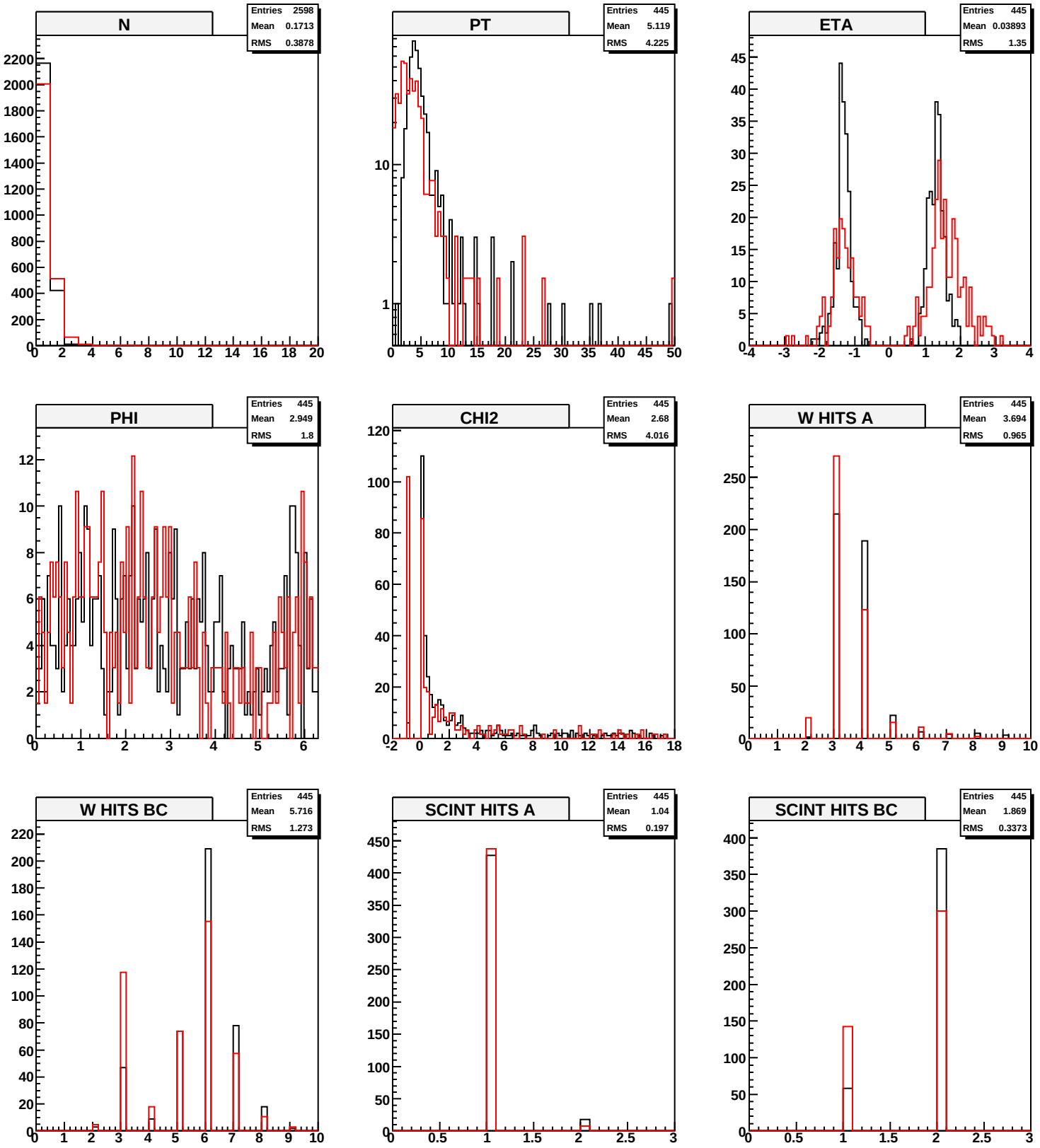

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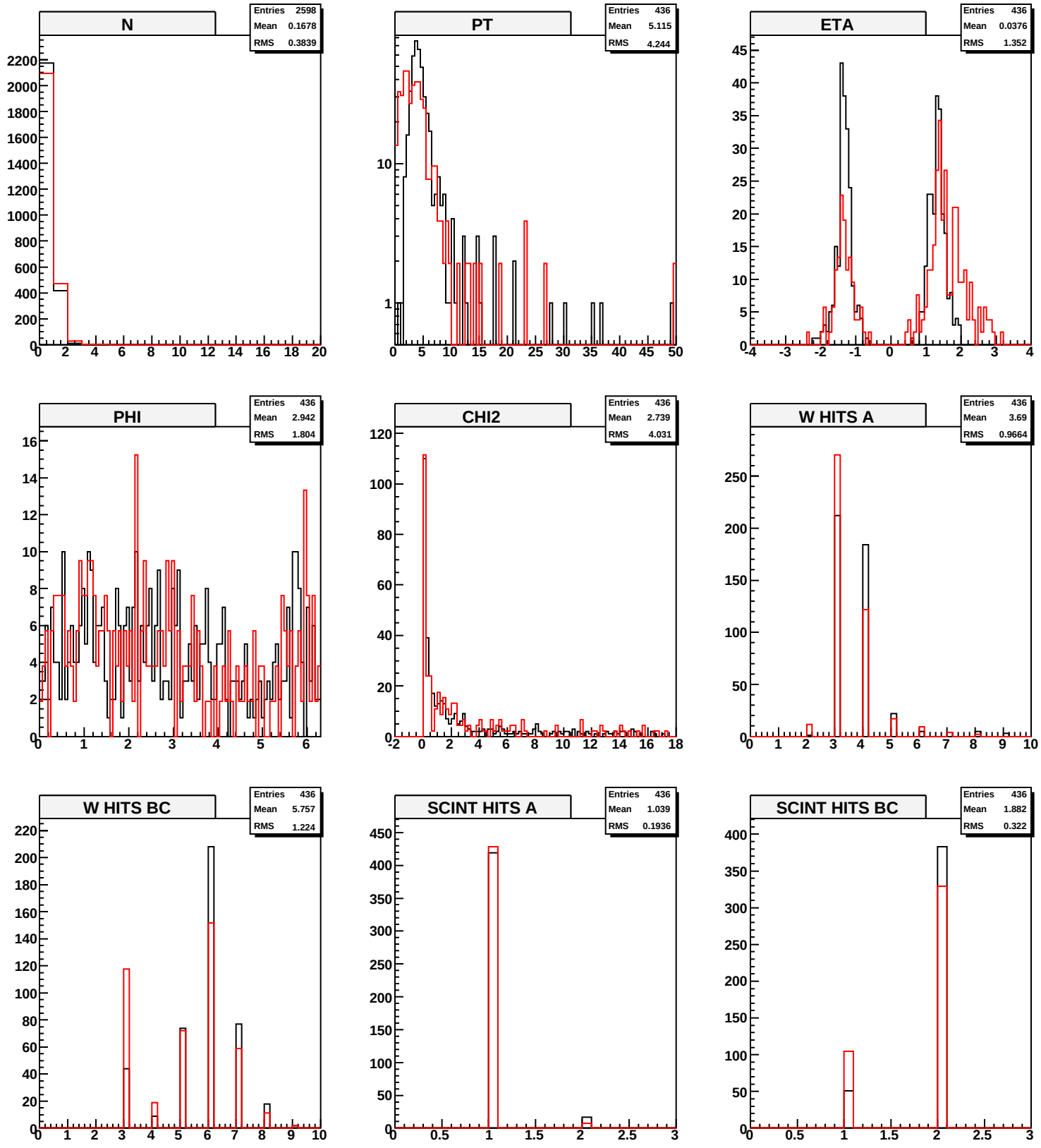

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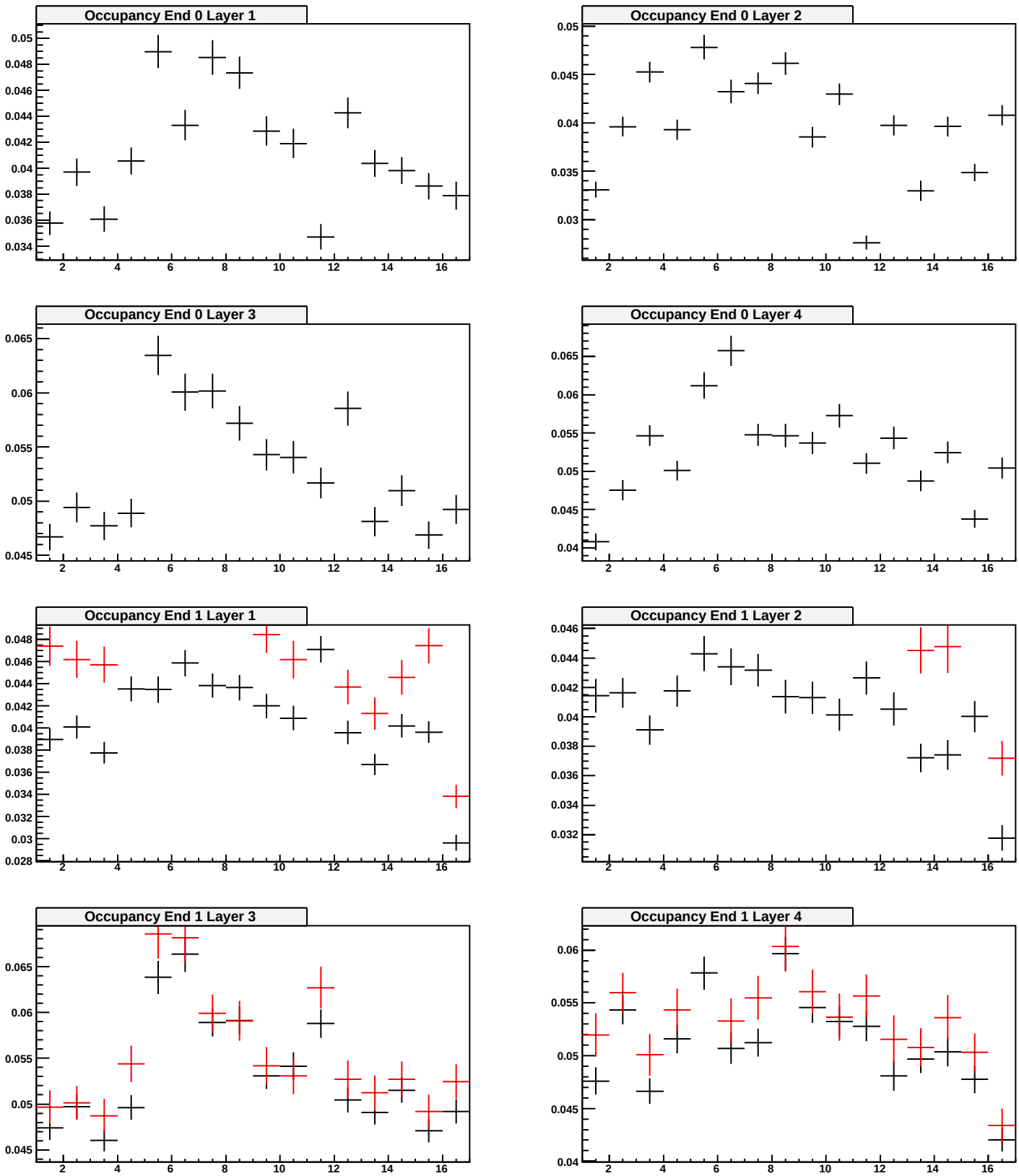
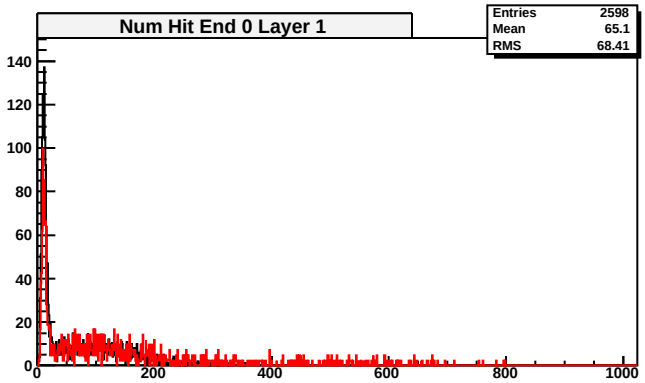
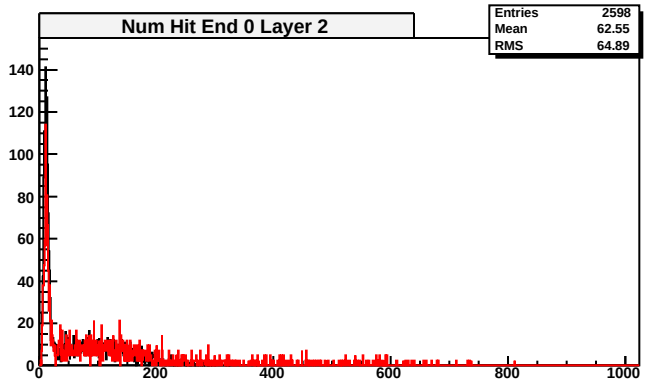
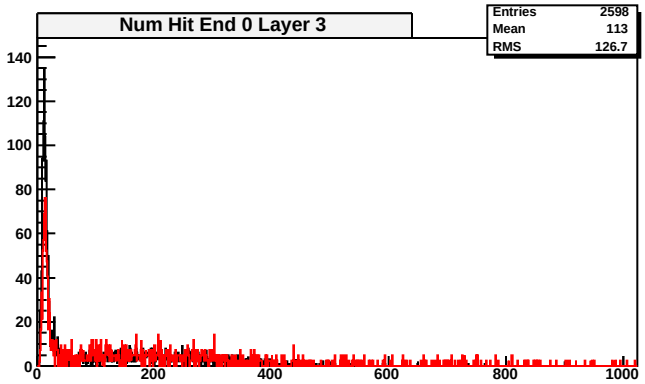
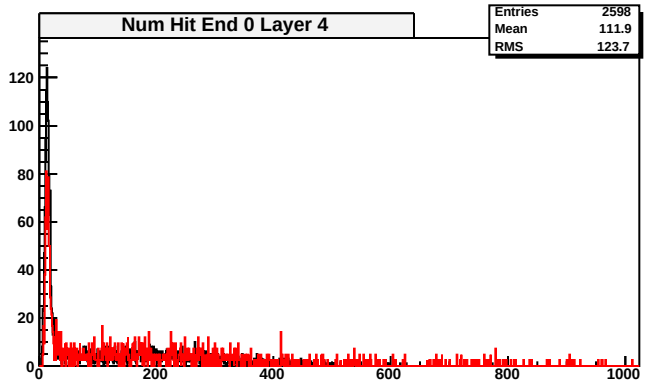


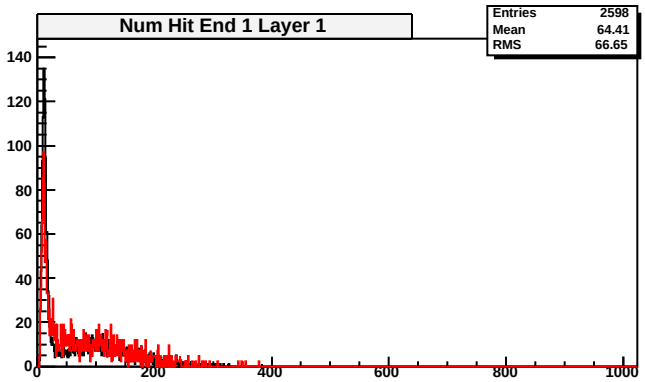
FPS Hit Occupancy (All)

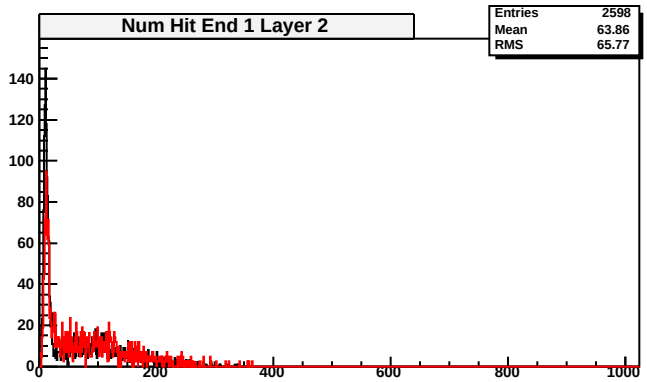


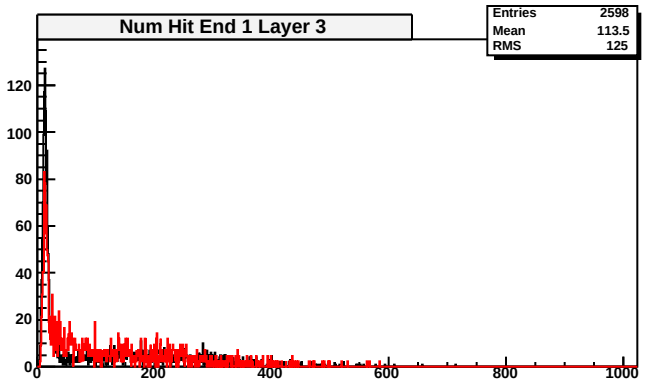


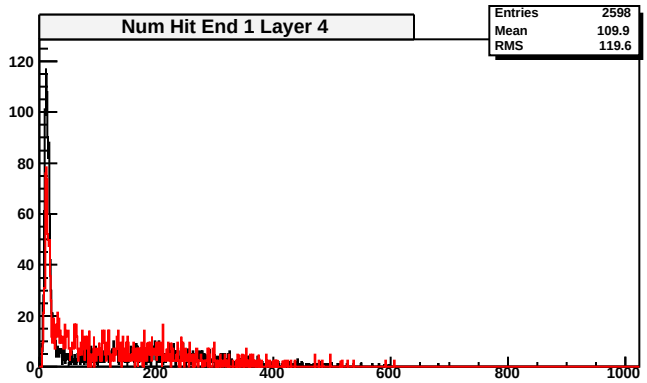




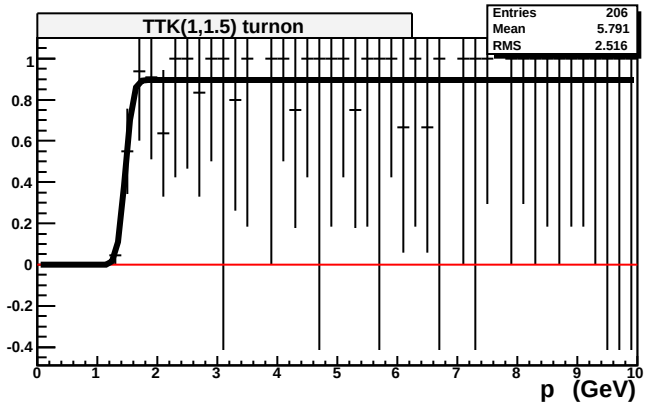


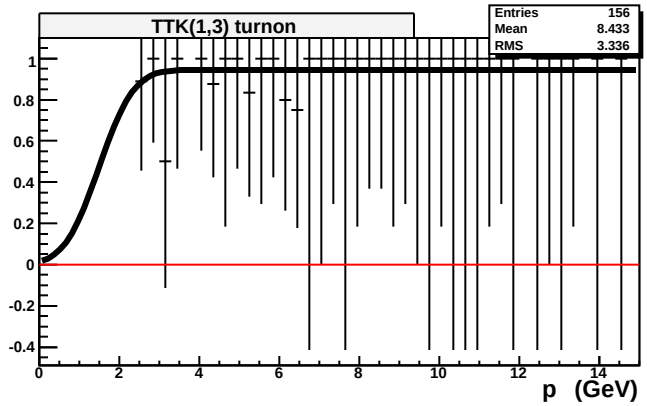


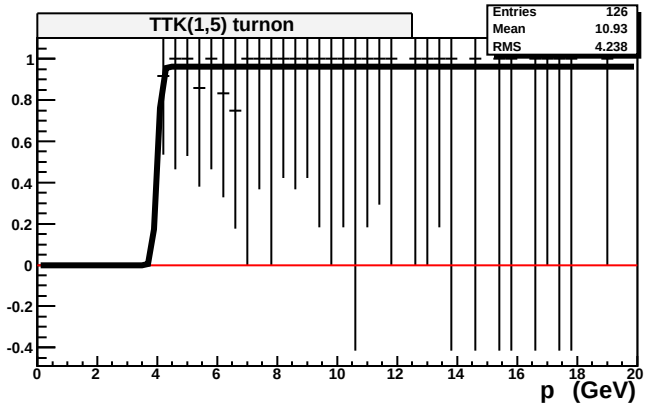


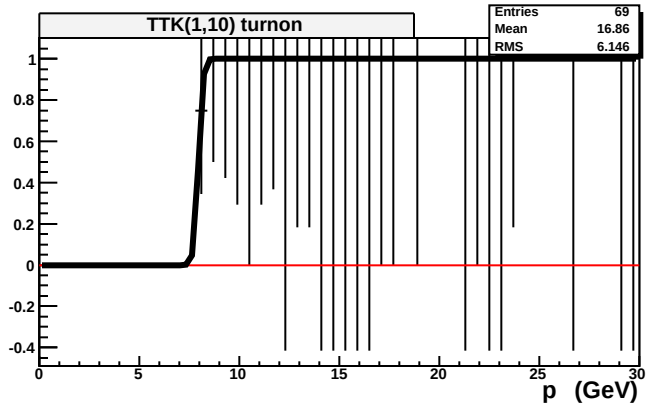


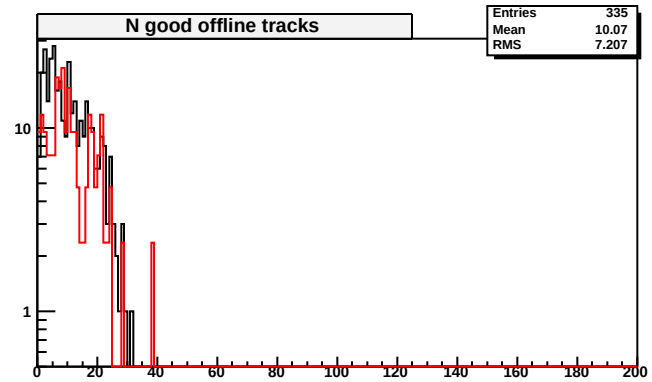
FPS Number of Hits (All)

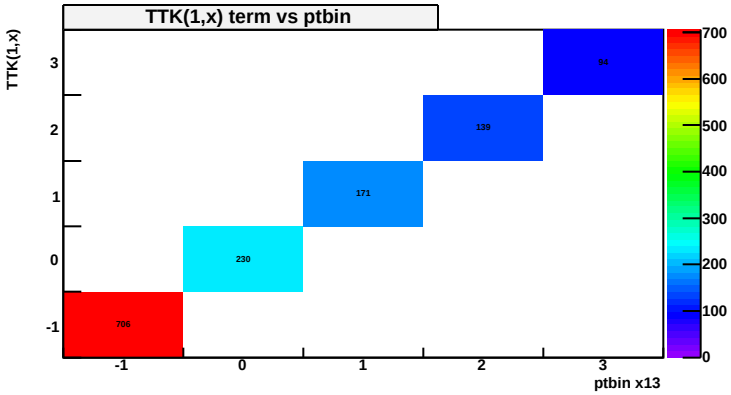


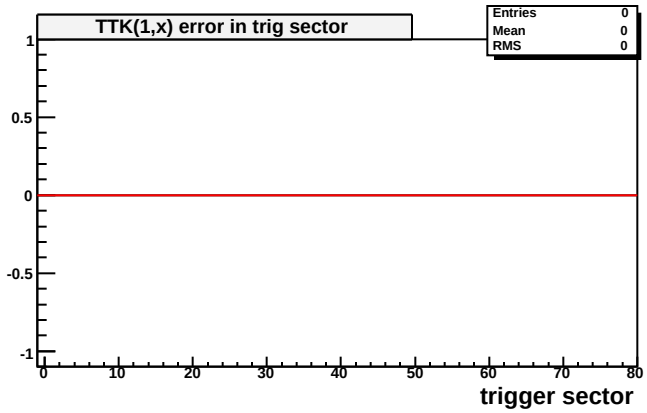


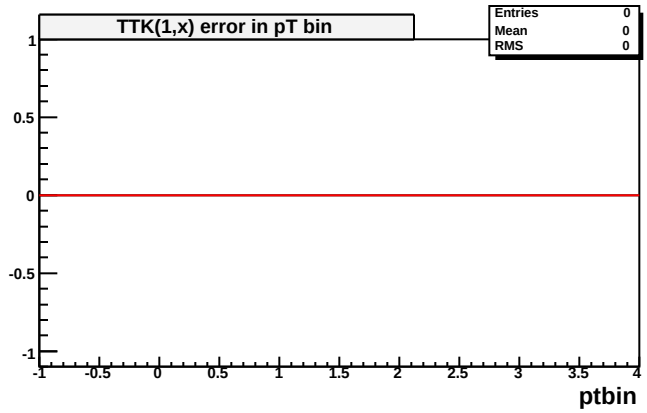




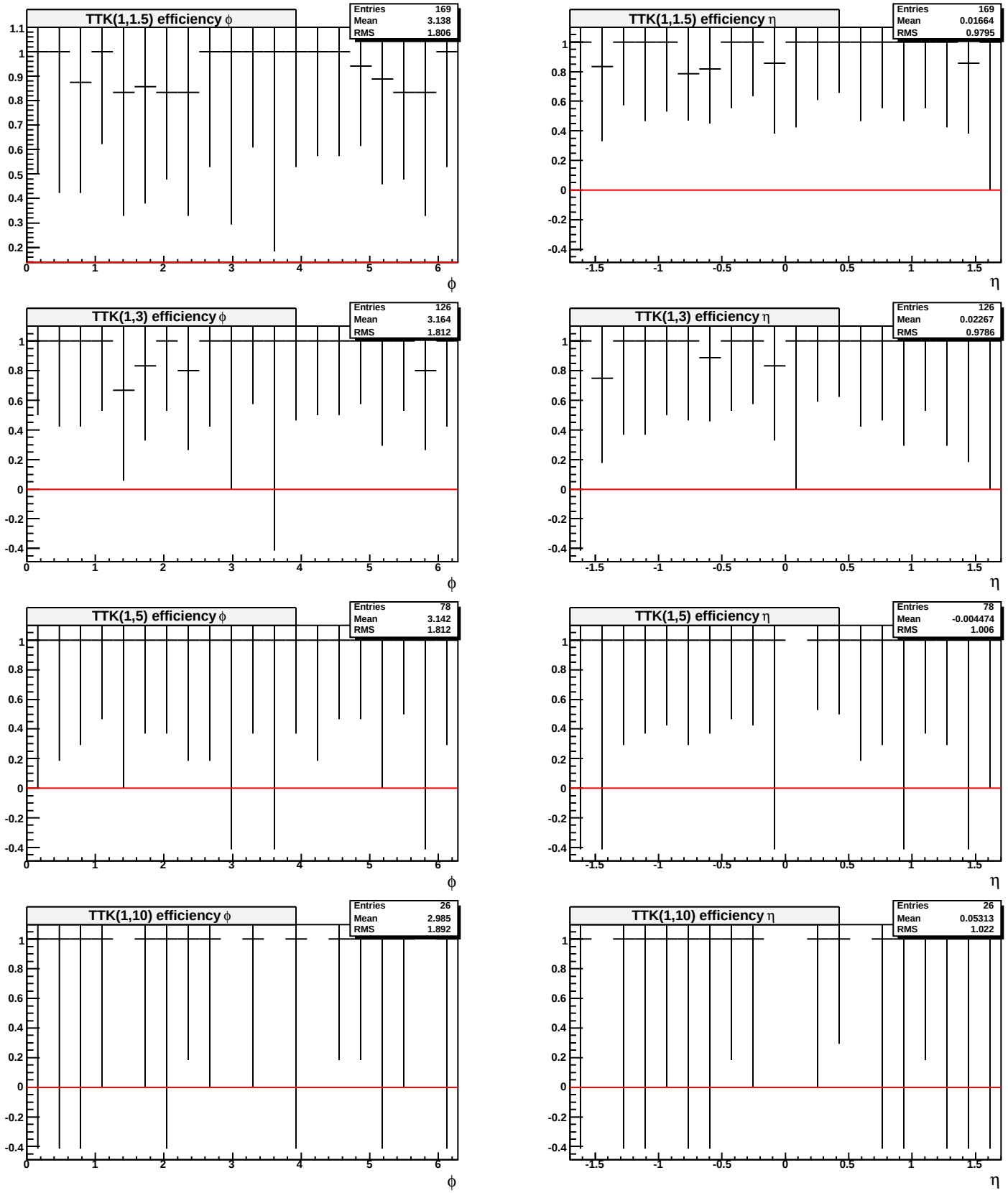








TTK (L1CTT All)



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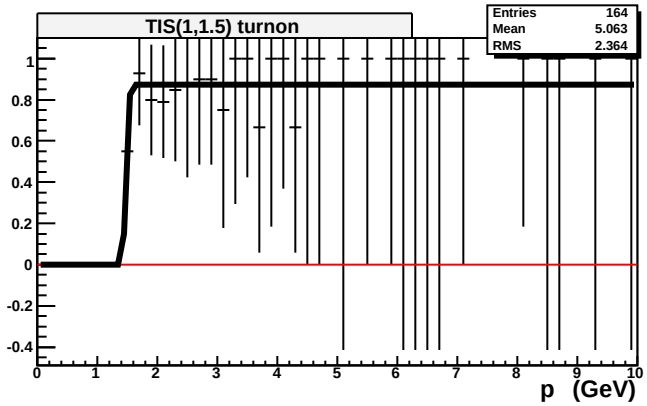

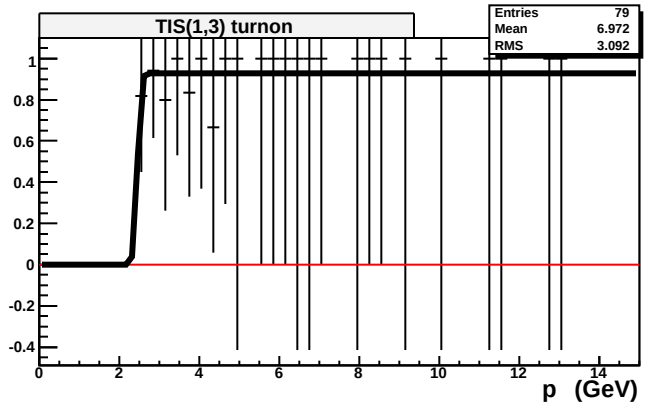

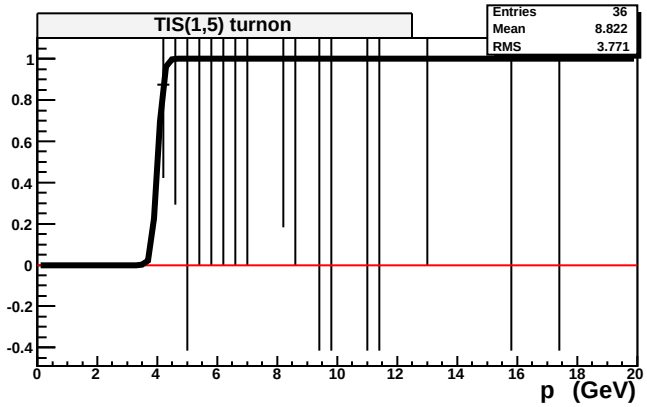

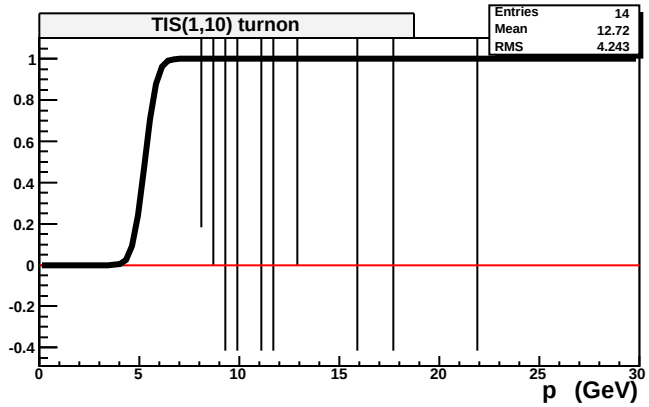

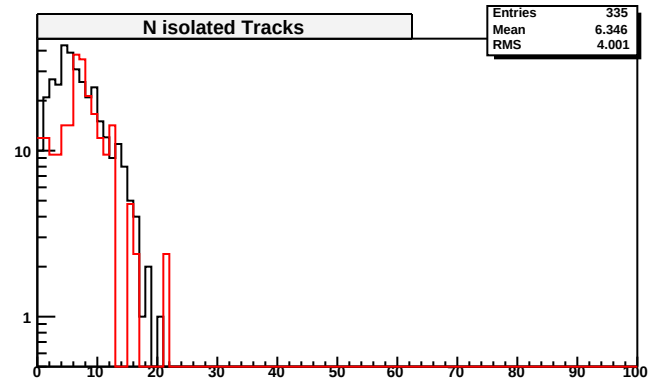

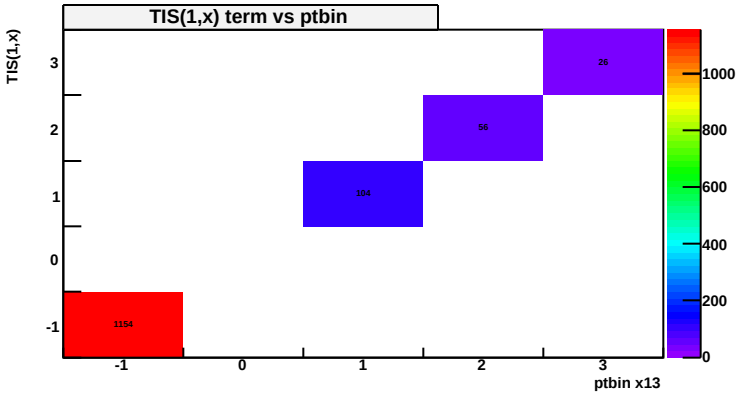

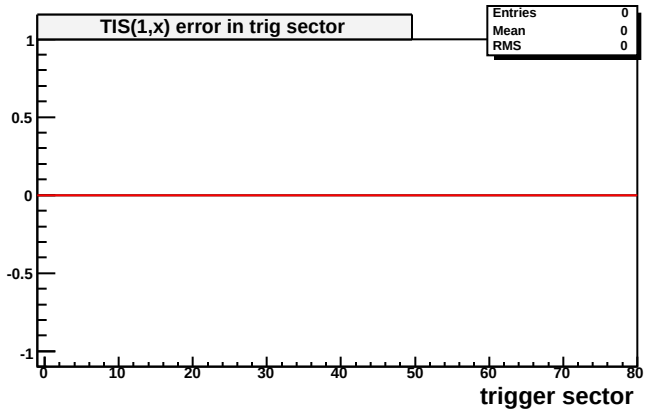

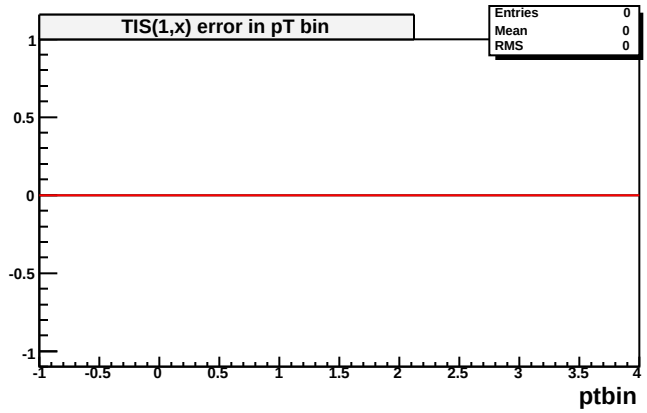

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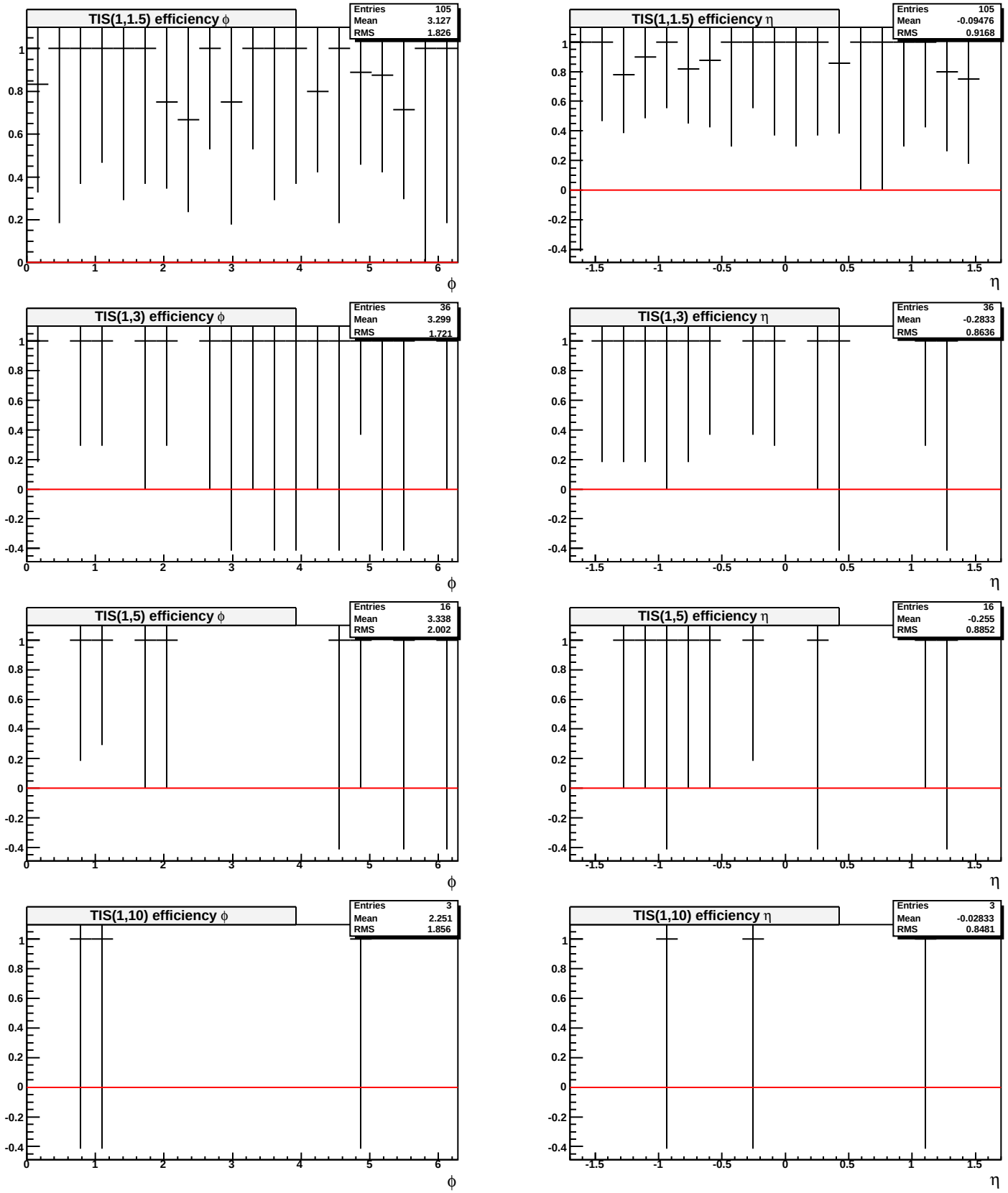

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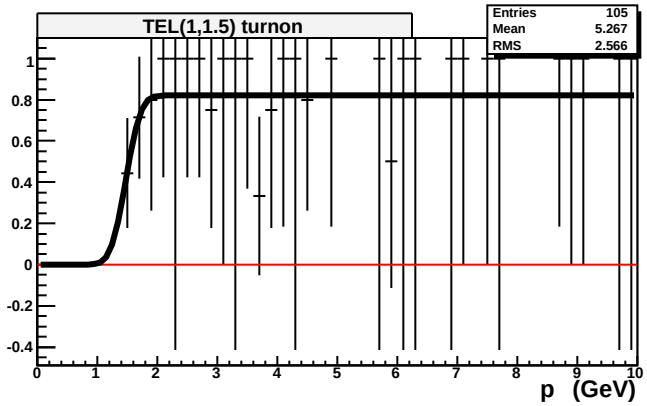

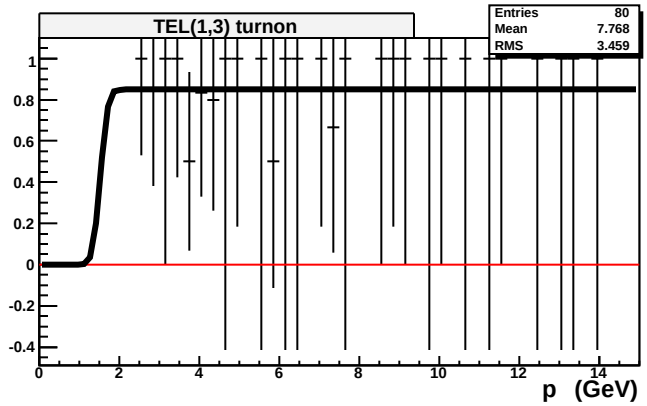

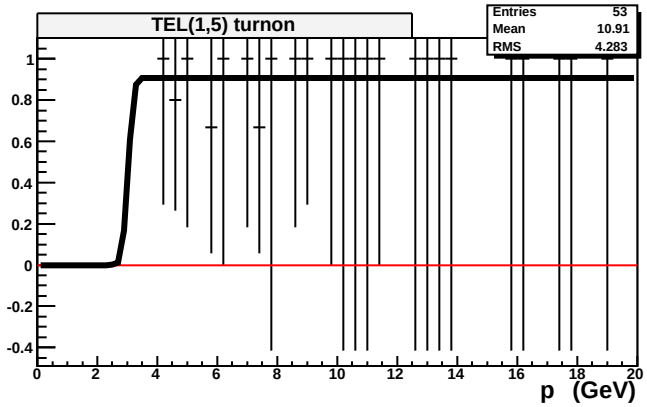

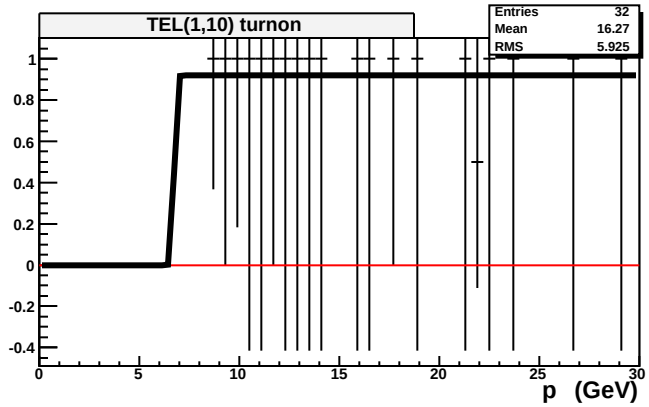

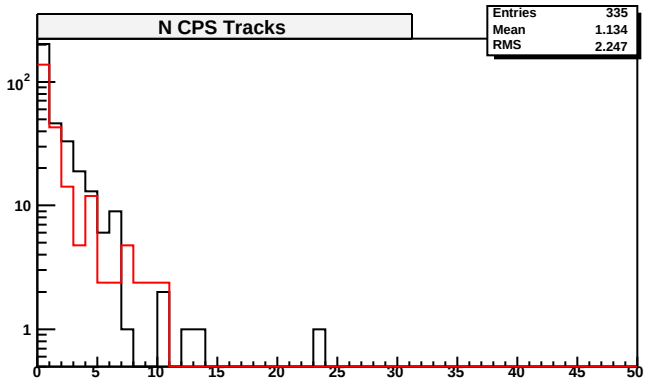

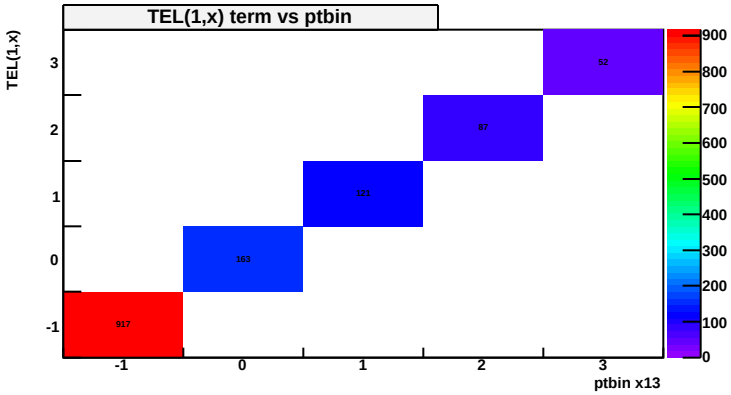

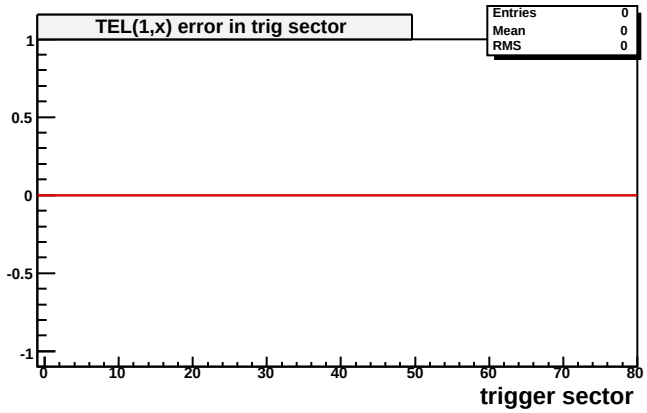

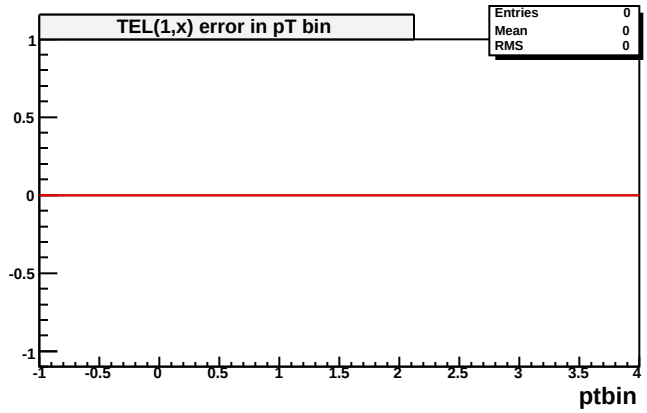

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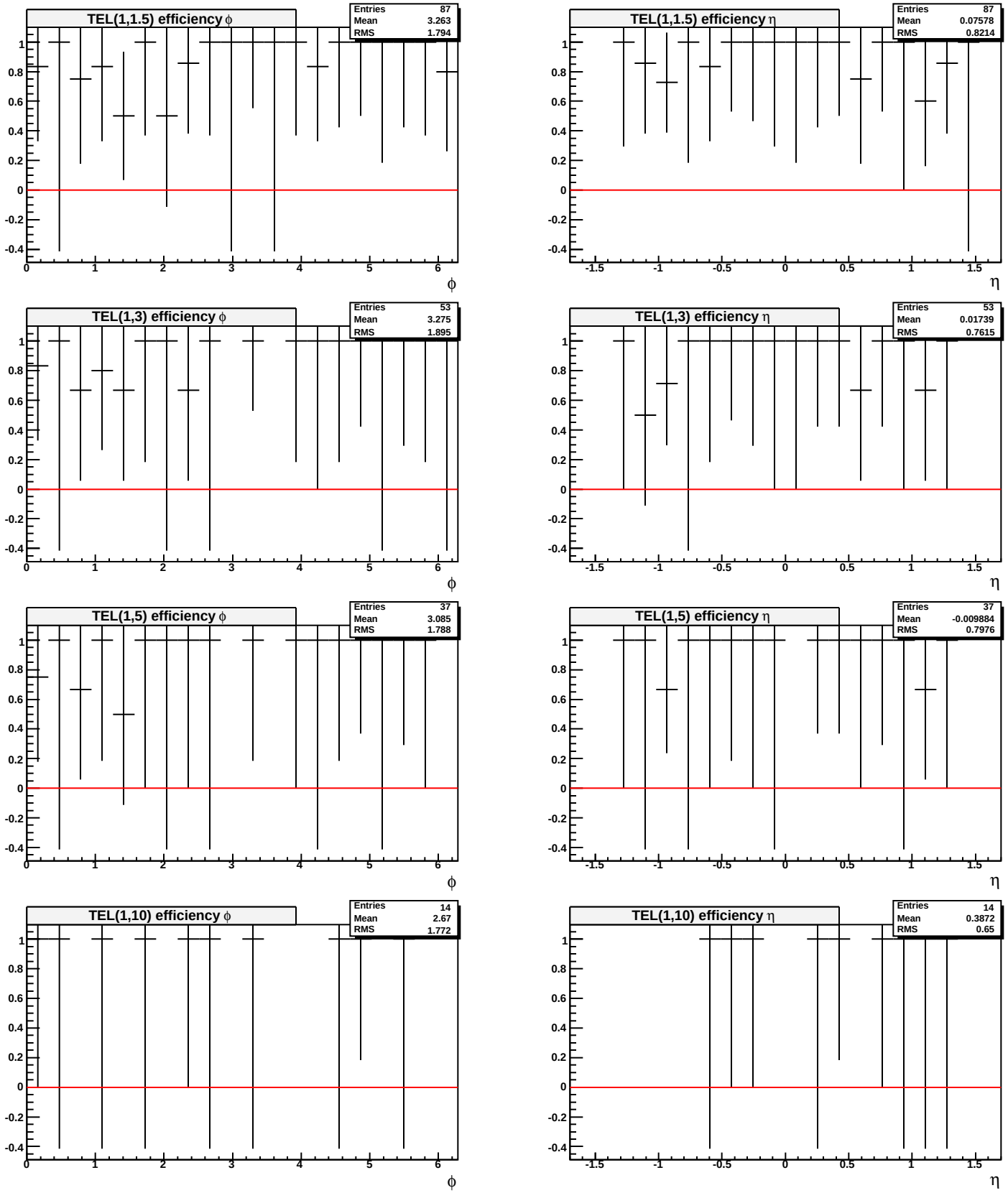

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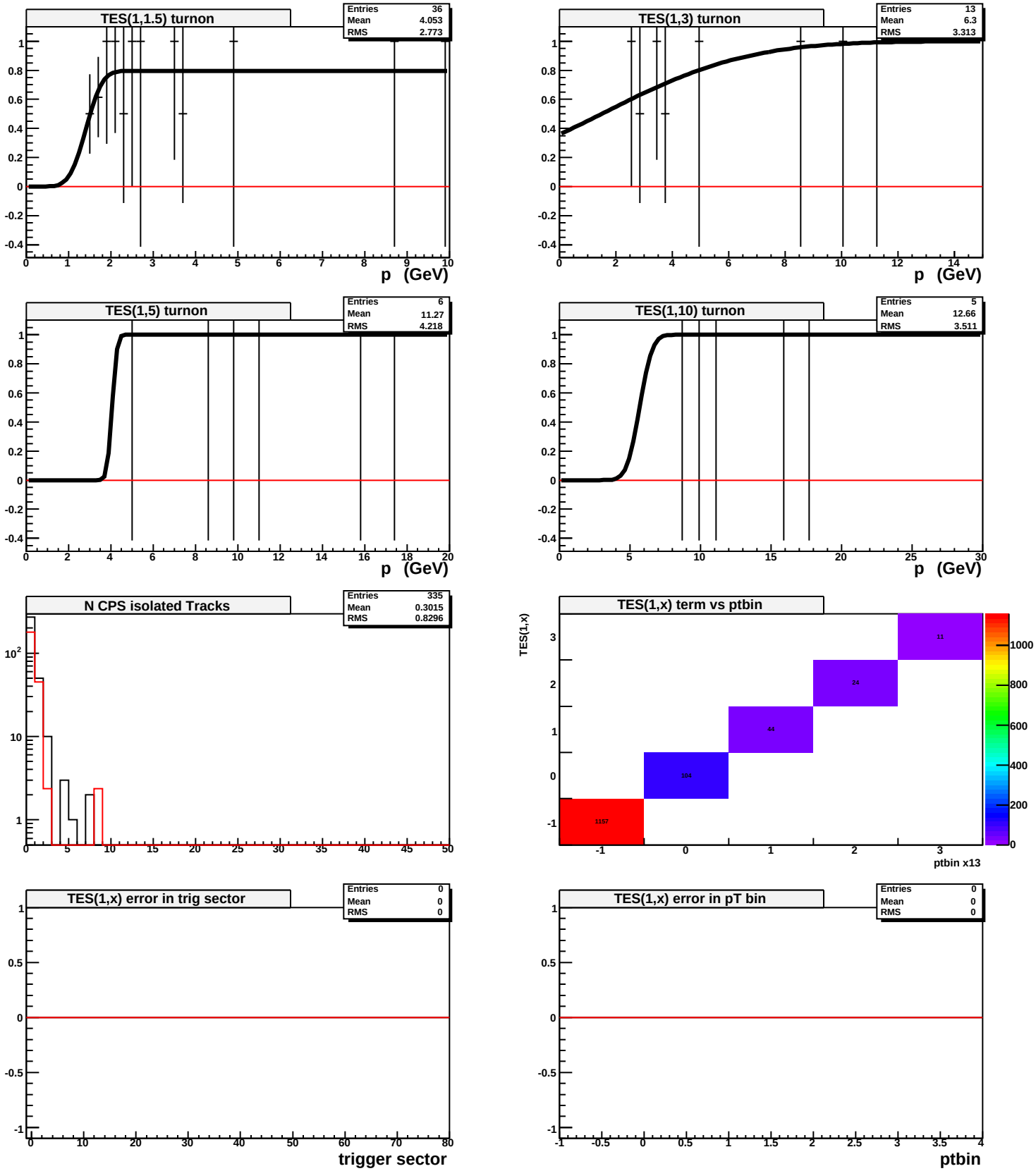

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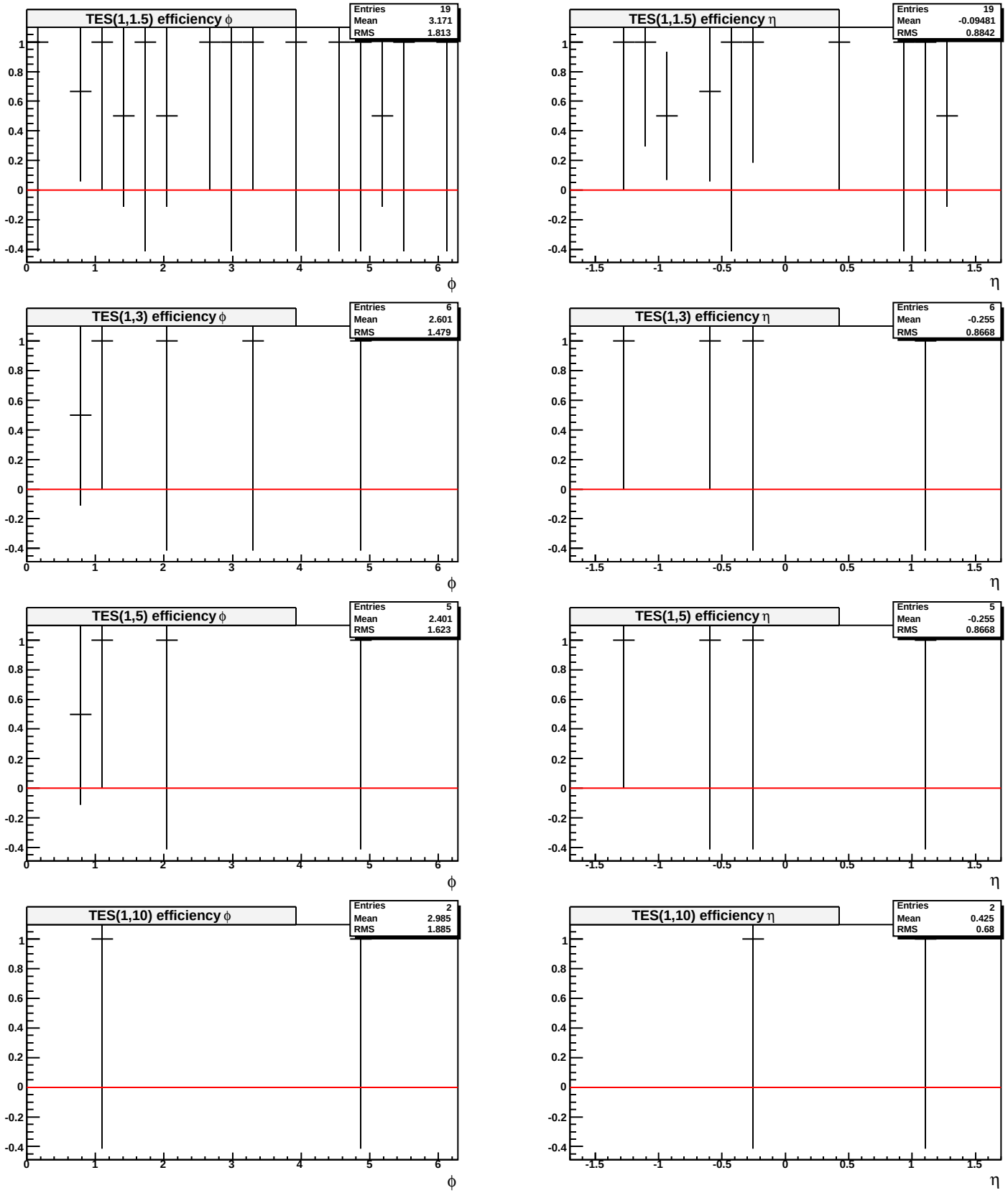

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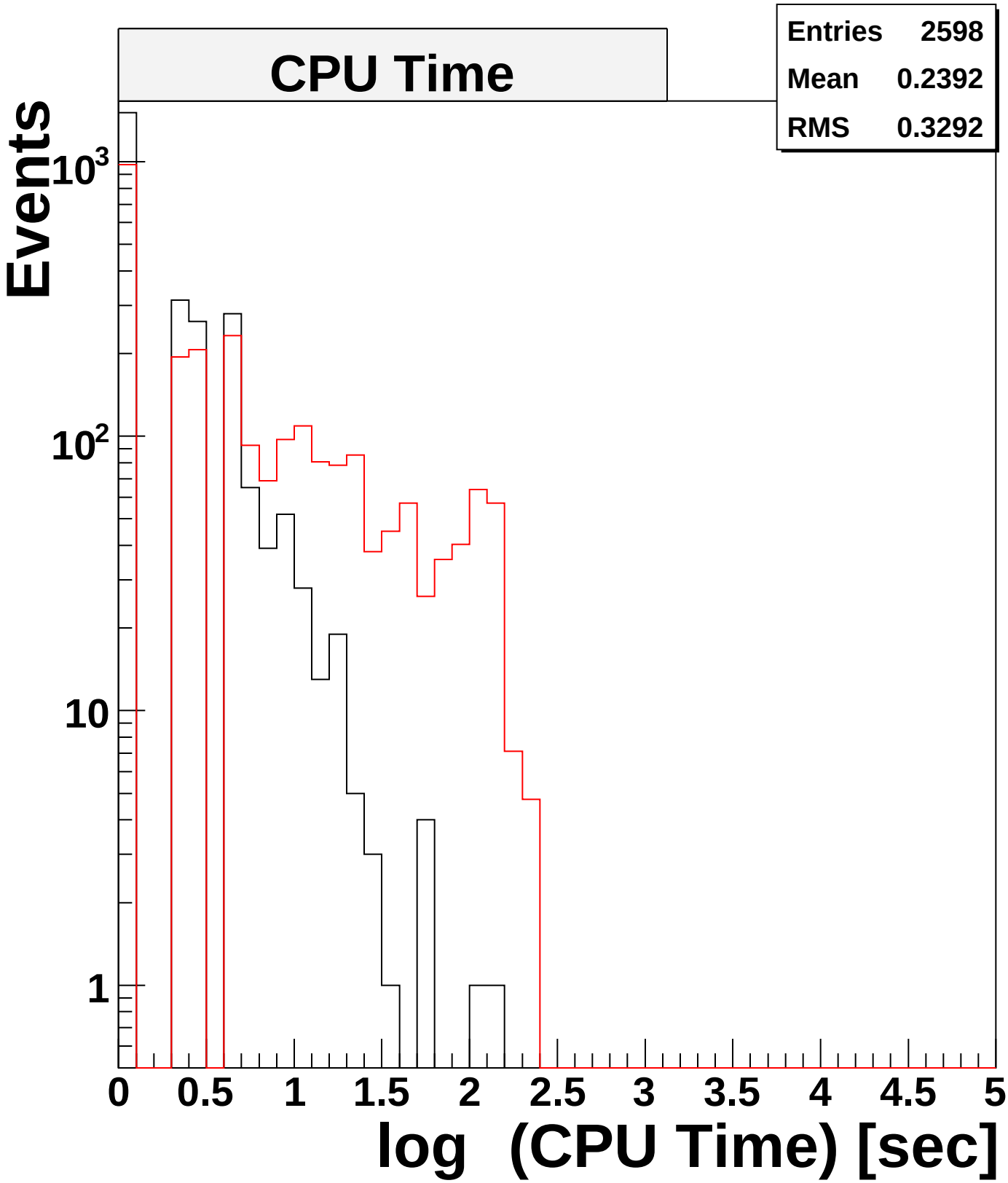

RECO Performance (Timing)